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Anexo A – Modelagem Abstrata da Interface de Exemplo

A modelagem Abstrata apresentada neste anexo, está descrita em notação N3 ao invés de OWL, pois N3 descreve os elementos e as suas propriedades de uma maneira mais clara se comparado com a linguagem OWL. Esta modelagem descreve os elementos que compõem a interface de exemplo apresenta no capítulo 4.

```
<!------- DECLARAÇÕES INICIAS -------->

@prefix cwo: <www.tecweb.inf.puc-rio.br:8080/ontology/CWO/cwo#>.
@prefix awo: <http://www.inf.puc-rio.br/~sabrina/ontology/AWO/awo# >.
@prefix rdfs:   <http://www.w3.org/2000/01/rdf-schema#>.
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#>.
@prefix owl:    <http://www.w3.org/2002/07/owl#>.
@prefix: <http://www.inf.puc-rio.br/~sabrina/ontology/IA/HomePage#>.


<http://www.inf.puc-rio.br/~sabrina/ontology/IA/HomePage#>
    a       owl:Ontology ;
    owl:imports
      <http://www.inf.puc-rio.br/~sabrina/ontology/AWO/awo.owl>,
      <http://www.inf.puc-rio.br/~sabrina/ontology/CWO/cwo.owl> .



    <!-- ********************************************* -->
    <!--               PÁGINA                         -->
    <!-- ********************************************* -->
    :IdxHomePage
          a     awo:CompositeInterfaceElement;
          awo:hasInterfaceElement
                :HomeTitle, :IdxMainMenu, :Search,
                :CtxProfessorAlpha;
          awo:isRepeated "false".
          awo:mapsTo cwo:Composition .
```

```
<!-------- TITULO PRINCIPAL -------->


:HomeTitle
        a         awo:ElementExhibitor;
        awo:visualizationText "Home"
        awo:blockElement "<h1>"
        awo:mapsTo cwo:Label .



<!------ MENU PRINCIPAL ------->


:IdxMainMenu
        a     awo:CompositeInterfaceElement;
        awo:hasInterfaceElement
              :IdxMainMenuTitle, :MainMenuEntries;
        awo:isRepeated "false"
        awo:mapsTo cwo:Composition .


:IdxMainMenuTitle
        a   awo:ElementExhibitor;
        awo:visualizationText "Main Menu"
        awo:blockElement "<div class= titleMenu>"
        awo:mapsTo cwo:Label .


:MainMenuEntries
        a     awo:CompositeInterfaceElement;
        awo:hasInterfaceElement
              :MainMenuProfessors,:MainMenuStudents,
              :MainMenuPapers;
        awo:isRepeated "false"
        awo:blockElement "<div class='menu'>"
        awo:mapsTo cwo:Composition .


:MainMenuProfessors
        a     awo:SimpleActivator;
        awo:fromAttribute "section";
        awo:fromElement "MainMenuProfessors";
        awo:targetInterface "Professors"
        awo:mapsTo cwo:Link .


:MainMenuStudents
```

```
        a       awo:SimpleActivator;
        awo:fromAttribute "section";
        awo:fromElement "MainMenuStudents";
        awo:targetInterface "Students"
        awo:mapsTo cwo:Link .


:MainMenuPapers
        a       awo:SimpleActivator;
        awo:fromAttribute "section";
        awo:fromElement "MainMenuPapers";
        awo:targetInterface "Papers"
        awo:mapsTo cwo:Link .



<!-------- ELEMENTO SEARCH  ------->


:Search
        a       awo:CompositeInterfaceElement ;
        awo:fromIndex "idxSearch" ;
        awo:isRepeated "false" ;
        awo:hasInterfaceElement
            :TitleSearch, :SearchElements;
        awo:blockElement "<div class='search'>";
        awo:mapsTo cwo:Composition .


:TitleSearch
        a       awo:ElementExhibitor;
        awo:visualizationText "Search";
        awo:blockElement "<div> <b>";
        awo:mapsTo cwo:Label .


:SearchElements
        a       awo:CompositeInterfaceElement ;
        awo:fromIndex "idxSearch" ;
        awo:hasInterfaceElement
            :SearchProfessors, :SearchStudents,
            :SearchPapers, :SearchField;
        awo:isRepeated "false" ;
        awo:targetInterface "SearchResult";
        awo:blockElement "<div>";
        awo:mapsTo cwo:Form .
```

```
:SearchProfessors
        a        awo:MultipleChoices ;
        awo:fromAttribute "section" ;
        awo:fromElement "SearchProfessors" ;
        awo:blockElement "<div>";
        awo:mapsTo cwo:CheckBox.


:SearchStudents
        a        awo:MultipleChoices ;
        awo:fromAttribute "section" ;
        awo:fromElement "SearchProfessors" ;
        awo:blockElement "<div>";
        awo:mapsTo cwo:CheckBox.


:SearchPapers
        a        awo:MultipleChoices ;
        awo:fromAttribute "section" ;
        awo:fromElement "SearchProfessors" ;
        awo:blockElement "<div>";
        awo:mapsTo cwo:CheckBox .



<!-- ********************************************* -->
<!--             DADOS DO PROFESSOR            -->
<!-- ********************************************* -->
:CtxProfessorAlpha
        a       awo:CompositeInterfaceElement;
        awo:hasInterfaceElement
            :ProfessorName, :ProfessorDegree,
            :ProfessorPhoneComposition,
            :ProfessorHomePageComposition,
            :ProfessorEmailComposition,
            :StudentsByProfessorAlphaCompos,
            :StudentsByProfessorAlpha,
            :ProfessorAlphaNext, :ProfessorAlphaPrevious;
        awo:isRepeated "false"
        awo:mapsTo cwo:Composition.


<!----------- NOME DO PROFESSOR ---------->
```

```
:ProfessorName
        a       awo:ElementExhibitor ;
        awo:fromAttribute "name";
        awo:fromContext "ctxProfessorAlpha";
        awo:blockElement "<div> <b>"
        awo:mapsTo cwo:Label .


<!--------- DEGREE DO PROFESSOR ----------->

:ProfessorDegree
        a       awo:ElementExhibitor ;
        awo:fromAttribute "degree";
        awo:fromContext "ctxProfessorAlpha";
        awo:blockElement "<div>"
        awo:mapsTo cwo:Label .


<!--------- TELEFONE DO PROFESSOR ---------->

:ProfessorPhoneComposition
        a       awo:CompositeInterfaceElement ;
        awo:fromContext "ctxProfessorAlpha" ;
        awo:hasInterfaceElement
            : ProfessorPhoneLabel , :ProfessorPhone ;
        awo:isRepeated "false"
        awo:mapsTo cwo:Composition .

:ProfessorPhoneLabel
        a       awo:ElementExhibitor ;
        awo:visualizationText "Ph:"
        awo:mapsTo cwo:Label .


:ProfessorPhone
        a       awo:ElementExhibitor ;
        awo:fromAttribute "phone"
        awo:mapsTo cwo:Label


<!------------ ENDERECO DA HOMEPAGE DO PROFESSOR ----------->
```

```
:ProfessorHomePageComposition
        a       awo:CompositeInterfaceElement ;
        awo:fromContext "ctxProfessorAlpha" ;
        awo:hasInterfaceElement
            : ProfessorPhoneLabel , :ProfessorPhone ;
        awo:isRepeated "false"
        awo:mapsTo cwo:Composition .


:ProfessorHomePageLabel
        a       awo:ElementExhibitor ;
        awo:visualizationText "HomePage:"
        awo:mapsTo cwo:Label .


:ProfessorHomePage
        a       awo:ElementExhibitor ;
        awo:fromAttribute "HomePage"
        awo:mapsTo cwo:Label



<!--------- E-MAIL DO PROFESSOR ------------->


:ProfessorEmailComposition
        a       awo:CompositeInterfaceElement ;
        awo:fromContext "ctxProfessorAlpha" ;
        awo:hasInterfaceElement
            : ProfessorPhoneLabel , :ProfessorPhone ;
        awo:isRepeated "false"
        awo:mapsTo cwo:Composition .


:ProfessorEmailLabel
        a       awo:ElementExhibitor ;
        awo:visualizationText "Email:"
        awo:mapsTo cwo:Label .


:ProfessorEmail
        a       awo:ElementExhibitor ;
        awo:fromAttribute "Email"
        awo:mapsTo cwo:Label
```

```
<!-- ************************************************ -->
<!--         LISTA DOS ESTUDANTES DE UM PROFESSOR       -->
<!--************************************************** -->


:StudentsByProfComposition
        a       awo:CompositeInterfaceElement ;
        awo:fromContext "ctxProfessorAlpha" ;
        awo:hasInterfaceElement
            :StudentByProfessorAlphaTitle,
            :StudentsByProfessorAlphaCompos ;
        awo:isRepeated "false"
        awo:mapsTo cwo:Composition.



<!------- TITULO DA LISTA DOS ESTUDANTES ------->


:StudentByProfessorAlphaTitle
        a       awo:ElementExhibitor ;
        awo:visualizationText "Students:" .
        awo:blockElement "<div>"
        awo:mapsTo cwo:Label .



<!------ LISTA DOS ESTUDANTES ------>


:StudentsByProfessorAlphaCompos
        a       awo:CompositeInterfaceElement ;
        awo:fromAttribute "students" ;
        awo:fromContext "students" ;
        awo:fromElement "ctxProfessorAlpha" ;
        awo:hasInterfaceElement
            :IdxStudentByProfessorAlpha ;
        awo:isRepeated "true";
        awo:blockElement "<div class='StudentList'>"
        awo:compositionTag "<li>" ;
        awo:mapsTo cwo:Composition.


:IdxStudentByProfessorAlpha
        a       awo:SimpleActivator ;
        awo:fromAttribute "name" ;
        awo:targetInterface "StudentByProfessor";
```

```
        awo:mapsTo cwo:Link .



<!------ LINK PARA PROXIMO PROFESSOR --------->


:ProfessorAlphaNext
        a         awo:SimpleActivator ;
        awo:fromAttribute "_NEXT" ;
        awo:fromElement "ctxProfessorAlpha" ;
        awo:targetInterface "ProfessorAlpha"
        awo:mapsTo cwo:Link .



<!-- LINK PARA PROFESSOR ANTERIOR -->


:ProfessorAlphaPrevious
        a         awo:SimpleActivator ;
        awo:fromAttribute "_PREV" ;
        awo:fromElement "ctxProfessorAlpha" ;
        awo:targetInterface "ProfessorAlpha"
        awo:mapsTo cwo:Link .
```

Anexo B – Geração da Página "CSS Zen Garden"

Neste anexo apresenta-se um caso de uso para demonstrar todos os passos do sistema proposto nessa dissertação. O caso de uso utilizado é de uma página da Web conhecida como "CSS Zen Garden" (http://www.csszengarden.com).

Nos sub anexos será apresenta a modelagem desta página, o arquivo JSP gerado pelo módulo AIC, o código HTML gerado pelo módulo CIR, a partir do arquivo JSP e por fim, o código HTM original da página.

Modelagem Abstrata em Notação N3

```
@prefix cwo: <www.tecweb.inf.puc-rio.br:8080/ontology/CWO/cwo#>.
@prefix awo: <http://www.inf.puc-rio.br/~sabrina/ontology/AWO/awo#
>.
@prefix rdfs:       <http://www.w3.org/2000/01/rdf-schema#> .
@prefix rdf:        <http://www.w3.org/1999/02/22-rdf-syntax-ns#>.
@prefix owl:        <http://www.w3.org/2002/07/owl#> .
@prefix   :                                <http://www.inf.puc-
rio.br/~sabrina/ontology/IA/csszengardenInterface.owl#> .


<http://www.inf.puc-
rio.br/~sabrina/ontology/IA/csszengardenInterface#>
    a        owl:Ontology ;
    owl:imports   `
       <http://www.inf.puc-rio.br/~sabrina/ontology/AWO/awo.owl>,
       <http://www.inf.puc-rio.br/~sabrina/ontology/CWO/cwo.owl>.




:csszengardenInterface
    a        awo:AbstractInterface ;
    awo:hasInterfaceElement
         :2oSubTitulo , :lista_resources , :CssZenGardenTitle ,
         :lista_estilos , :5oSubTitulo , :lista_archives ,
         :3oSubTitulo , :6oSubTitulo , :4oSubTitulo ,
         :1oSubTitulo , :fimPagina ;
```

```
awo:mapsTo cwo:Composition .


<!-- ----------------------------- -->
<!--         TITULO PRINCIPAL        -->
<!-- ----------------------------- -->
:CssZenGardenTitle
      a        awo:ElementExihibitor ;
      awo:mapsTo cwo:Label ;
      awo:visualizationText
       """
            <div id="container">
            <div id="intro">
            <div id="pageHeader">
            css Zen Garden"
        """   rdf:XMLLiteral ;
      :blockElement "<h1><span>" .



<!-- --------------------------- -->
<!--        1o SUBTITULO         -->
<!-- --------------------------- -->
:1oSubTitulo
      a        awo:ElementExihibitor ;
      awo:mapsTo cwo:Label ;
      awo:visualizationText
        """
            <div   id="preamble"><h2><span>The   Beauty   of
            <acronym       title=\"Cascading       Style
            Sheets\">CSS</acronym>  Design</span></h2></div>
            <div d=\"quickSummary\">

            <p  class=\"p1\"><span>A  demonstration  of  what
            can  be  accomplished  visually  through  <acronym
            title=\"Cascading  Style  Sheets\">CSS</acronym>-
            based  design.  Select  any  style  sheet  from  the
            list  to  load  it  into  this  page.</span></p>

            <p  class=\"p2\"><span>Download  the  sample  <a
            href=\"zengarden-sample.html\"      title=\"This
            page's   source   HTML   code,   not   to   be
            modified.\">html      file</a>       and       <a
```

```
                    href=\"zengarden-sample.css\"        title=\"This
                    page's    sample    CSS,    the    file    you    may
                    modify.\">css file</a></span></p></div>
          """ rdf:XMLLiteral .



    <!-- -------------------------- -->
    <!--         2o SUBTITULO          -->
    <!-- -------------------------- -->
    :2oSubTitulo
        a          awo:ElementExihibitor ;
        awo:mapsTo cwo:Label ;
        awo:visualizationText
          """
                    <div id="preamble">
                    <h3><span>The Road to Enlightenment</span></h3>
                    <p   class=\"p1\"><span>Littering   a   dark   and
                    dreary  road  lay  the  past  relics  of  browser-
                    specific       tags,       incompatible       <acronym
                    title=\"Document   Object   Model\">DOM</acronym>s,
                    and   broken   <acronym   title=\"Cascading   Style
                    Sheets\">CSS</acronym> support.</span></p>

                    <p class=\"p2\"><span>Today, we must clear the
                    mind  of  past  practices.  Web  enlightenment  has
                    been  achieved  thanks  to  the  tireless  efforts  of
                    folk  like  the  <acronym  title=\"World  Wide  Web
                    Consortium\">W3C</acronym>, <acronym title=\"Web
                    Standards Project\">WaSP</acronym> and the major
                    browser creators.</span></p>

                    <p class=\"p3\"><span>The css Zen Garden invites
                    you   to   relax   and   meditate   on   the   important
                    lessons  of  the  masters.  Begin  to  see  with
                    clarity.  Learn  to  use  the  (yet  to  be)  time-
                    honored  techniques  in  new  and  invigorating
                    fashion.     Become     one     with     the
                    web.</span></p></div></div>

          """ rdf:XMLLiteral .
```

```
<!-- -------------------------- -->
<!--          3o SUBTITULO          -->
<!-- -------------------------- -->
:3oSubTitulo
        a         awo:ElementExihibitor ;
        awo:mapsTo cwo:Label ;
        awo:visualizationText
          """
                <div id="supportingText">
                <div id="explanation">
                <h3><span>So What is This About?</span></h3>
                <p class=\"p1\"><span>There is clearly a need
                for      <acronym      title=\"Cascading      Style
                Sheets\">CSS</acronym> to be taken seriously by
                graphic artists. The Zen Garden aims to excite,
                inspire, and encourage participation. To begin,
                view some of the existing designs in the list.
                Clicking on any one will load the style sheet
                into this very page. The code remains the same,
                the only thing that has changed is the external
                .css file. Yes, really.</span></p>

                <p class=\"p2\"><span><acronym title=\"Cascading
                Style Sheets\">CSS</acronym> allows complete and
                total control over the style of a hypertext
                document. The only way this can be illustrated
                in a way that gets people excited is by
                demonstrating what it can truly be, once the
                reins are placed in the hands of those able to
                create beauty from structure. To date, most
                examples of neat tricks and hacks have been
                demonstrated by structurists and coders.
                Designers have yet to make their mark. This
                needs to change.</span></p></div>
          """ rdf:XMLLiteral .


<!-- -------------------------- -->
<!--          4o SUBTITULO          -->
<!-- -------------------------- -->
```

```
:4oSubTitulo
     a          awo:ElementExihibitor ;
     awo:mapsTo cwo:Label ;
     awo:visualizationText
        """
            <div id="participation">
            <h3><span>Participation</span></h3>
            <p  class=\"p1\"><span>Graphic  artists  only
            please. You are modifying this page, so strong
            <acronym        title=\"Cascading        Style
            Sheets\">CSS</acronym> skills are necessary, but
            the example files are commented well enough that
            even     <acronym     title=\"Cascading    Style
            Sheets\">CSS</acronym> novices can use them as
            starting    points.    Please    see    the    <a
            href=\"http://www.mezzoblue.com/zengarden/resour
            ces/\"    title=\"A    listing    of   CSS-related
            resources\"><acronym     title=\"Cascading    Style
            Sheets\">CSS</acronym>  Resource  Guide</a>  for
            advanced   tutorials   and   tips   on   working   with
            <acronym         title=\"Cascading         Style
            Sheets\">CSS</acronym>.</span></p>

            <p class=\"p2\"><span>You may modify the style
            sheet in any way you wish, but not the <acronym
            title=\"HyperText                        Markup
            Language\">HTML</acronym>.    This    may    seem
            daunting at first if you've never worked this
            way before, but follow the listed links to learn
            more,    and    use    the    sample    files    as    a
            guide.</span></p>

            <p   class=\"p3\"><span>Download   the   sample   <a
            href=\"zengarden-sample.html\"     title=\"This
            page's   source   HTML   code,   not   to   be
            modified.\">html       file</a>       and       <a
            href=\"zengarden-sample.css\"     title=\"This
            page's   sample   CSS,   the   file   you   may
            modify.\">css   file</a>   to   work   on   a   copy
            locally.   Once   you   have   completed   your
            masterpiece (and please, don't submit half-
```

```
                finished work) upload your .css file to a web
                server     under    your    control.    <a
                href=\"http://www.mezzoblue.com/zengarden/submit
                /\" title=\"Use the contact form to send us your
                CSS file\">Send us a link</a> to the file and if
                we   choose   to   use   it,   we   will   spider   the
                associated   images.   Final   submissions   will   be
                placed on our server.</span></p></div>
        """ rdf:XMLLiteral .


    <!-- ------------------------- -->
    <!--       5o SUBTITULO       -->
    <!-- ------------------------- -->
    :5oSubTitulo
        a       awo:ElementExihibitor ;
        awo:mapsTo cwo:Label ;
        awo:visualizationText
            """
                <div id="benefits">
                <h3><span>Benefits</span></h3>
                <p   class=\"p1\"><span>Why   participate?   For
                recognition,   inspiration,   and   a   resource   we   can
                all   refer   to   when   making   the   case   for   <acronym
                title=\"Cascading   Style   Sheets\">CSS</acronym>-
                based design. This is sorely needed, even today.
                More   and   more   major   sites   are   taking   the   leap,
                but   not   enough   have.   One   day   this   gallery   will
                be   a   historical   curiosity;   that   day   is   not
                today.</span></p></div>
            """ rdf:XMLLiteral .


    <!-- ------------------------- -->
    <!--       6o SUBTITULO       -->
    <!-- ------------------------- -->
    :6oSubTitulo
        a       awo:ElementExihibitor ;
        awo:mapsTo cwo:Label ;
        awo:visualizationText
            """
```

```
<div id="requirements">
<h3><span>Requirements</span></h3>
<p class=\"p1\"><span>We would like to see as
much <acronym title=\"Cascading Style Sheets,
version 1\">CSS1</acronym> as possible. <acronym
title=\"Cascading   Style   Sheets,   version
2\">CSS2</acronym> should be limited to widely-
supported elements only. The css Zen Garden is
about     functional,     practical     <acronym
title=\"Cascading   Style   Sheets\">CSS</acronym>
and not the latest bleeding-edge tricks viewable
by 2% of the browsing public. The only real
requirement   we   have   is   that   your   <acronym
title=\"Cascading   Style   Sheets\">CSS</acronym>
validates.</span></p>

<p   class=\"p2\"><span>Unfortunately,   designing
this   way   highlights   the   flaws   in   the   various
implementations   of   <acronym   title=\"Cascading
Style Sheets\">CSS</acronym>. Different browsers
display   differently,   even   completely   valid
<acronym       title=\"Cascading       Style
Sheets\">CSS</acronym>   at   times,   and   this
becomes maddening when a fix for one leads to
breakage   in   another.   View   the   <a
href=\"http://www.mezzoblue.com/zengarden/resour
ces/\"   title=\"A   listing   of   CSS-related
resources\">Resources</a>   page   for   information
on   some   of   the   fixes   available.   Full   browser
compliance is still sometimes a pipe dream, and
we   do   not   expect   you   to   come   up   with   pixel-
perfect code across every platform. But do test
in as many as you can. If your design doesn€™t
work   in   at   least   IE5+/Win   and   Mozilla   (run   by
over   90%   of   the   population),   chances   are   we
won€™t accept it.</span></p>

<p   class=\"p3\"><span>We   ask   that   you   submit
original artwork. Please respect copyright laws.
Please keep objectionable material to a minimum;
```

tasteful   nudity   is   acceptable,   outright
pornography will be rejected.</p>

<p   class=\"p4\">This   is   a   learning
exercise as well as a demonstration. You retain
full copyright on your graphics (with limited
exceptions,   see   <a
href=\"http://www.mezzoblue.com/zengarden/submit
/guidelines/\">submission   guidelines),   but
we   ask   you   release   your   <acronym
title=\"Cascading   Style   Sheets\">CSS</acronym>
under a Creative Commons license identical to
the   <a
href=\"http://creativecommons.org/licenses/sa/1.
0/\" title=\"View   the   Zen   Garden's   license
information.\">one   on   this   site   so   that
others may learn from your work.</p>

<p   class=\"p5\">Bandwidth   graciously
donated   by   <a
href=\"http://www.dreamfirestudios.com/\">DreamF
ire Studios</p></div>

<div id=\"footer\">
     <a
     href=\"http://validator.w3.org/check/refer
     er\" title=\"Check   the   validity   of   this
     siteâ€™s XHTML\">xhtml
     <a   href=\"http://jigsaw.w3.org/css-
     validator/check/referer\"   title=\"Check
     the   validity   of   this   siteâ€™s
     CSS\">css
     <a
     href=\"http://creativecommons.org/licenses
     /by-nc-sa/1.0/\" title=\"View details of
     the license of this site, courtesy of
     Creative Commons.\">cc
     <a
     href=\"http://bobby.watchfire.com/bobby/bo
     bbyServlet?URL=http%3A%2F%2Fwww.mezzoblue.
     com%2Fzengarden%2F&output=Submit&g

```
                        l=sec508&amp;test=\"   title=\"Check   the
                        accessibility of this site according to
                        U.S. Section 508\">508</a>
                        <a
                        href=\"http://bobby.watchfire.com/bobby/bo
                        bbyServlet?URL=http%3A%2F%2Fwww.mezzoblue.
                        com%2Fzengarden%2F&amp;output=Submit&amp;g
                        l=wcag1-aaa&amp;test=\" title=\"Check the
                        accessibility of this site according to
                        WAI   Content   Accessibility   Guidelines
                        1\">aaa</a>
                </div>
             </div>
        """ rdf:XMLLiteral .


        <!-- ------------------------------ -->
        <!--          LISTA DOS ESTILOS        -->
        <!-- ------------------------------ -->
        :lista_estilos
             a        awo:ElementExihibitor ;
             awo:mapsTo cwo:Label ;
             awo:visualizationText
                """
                     <div id="linkList">
                     <div id="linkList2">
                     <div id=\"lselect\">
                     <h3      class=\"select\"><span>Select      a
                     Design:</span></h3>
                     <!-- list of links begins here. There will be no
                     more than 8 links per page -->
                          <ul>
                               <li><a  accesskey=\"a\"  href=\"/\"
                               title=\"AccessKey: a\">Sample #1</a>
                               by          <a          class=\"c\"
                               href=\"http://www.mezzoblue.com/\">D
                               ave Shea</a> </li>
                               <li><a  accesskey=\"b\"  href=\"/\"
                               title=\"AccessKey: b\">Sample #2</a>
                               by          <a          class=\"c\"
```

```
                                   href=\"http://www.mezzoblue.com/\">D
                                   ave Shea</a> </li>
                                   <li><a   accesskey=\"c\"   href=\"/\"
                                   title=\"AccessKey: c\">Sample #3</a>
                                   by             <a          class=\"c\"
                                   href=\"http://www.mezzoblue.com/\">D
                                   ave Shea</a> </li>
                                   <li><a   accesskey=\"d\"   href=\"/\"
                                   title=\"AccessKey: d\">Sample #4</a>
                                   by             <a          class=\"c\"
                                   href=\"http://www.mezzoblue.com/\">D
                                   ave Shea</a> </li>
                                   <li><a   accesskey=\"e\"   href=\"/\"
                                   title=\"AccessKey: e\">Sample #5</a>
                                   by             <a          class=\"c\"
                                   href=\"http://www.mezzoblue.com/\">D
                                   ave Shea</a> </li>
                                   <li><a   accesskey=\"f\"   href=\"/\"
                                   title=\"AccessKey: f\">Sample #6</a>
                                   by             <a          class=\"c\"
                                   href=\"http://www.mezzoblue.com/\">D
                                   ave Shea</a> </li>
                                   <li><a   accesskey=\"g\"   href=\"/\"
                                   title=\"AccessKey: g\">Sample #7</a>
                                   by             <a          class=\"c\"
                                   href=\"http://www.mezzoblue.com/\">D
                                   ave Shea</a> </li>
                                   <li><a   accesskey=\"h\"   href=\"/\"
                                   title=\"AccessKey: h\">Sample #8</a>
                                   by             <a          class=\"c\"
                                   href=\"http://www.mezzoblue.com/\">D
                                   ave Shea</a> </li>
                         </ul>
                    </div>
       """ rdf:XMLLiteral .


        <!-- ----------------------------------- -->
        <!--          LISTA DOS ARQUIVOS          -->
        <!-- ----------------------------------- -->
        :lista_archives
```

```
        a        awo:ElementExihibitor ;
    awo:mapsTo cwo:Label ;
    awo:visualizationText
        """
            <h3
            class=\"archives\"><span>Archives:</span></h3>
            <ul>
                <li><a        accesskey=\"n\"        href=\"/\"
                title=\"View     next     set     of     designs.
                AccessKey:                    n\"><span
                class=\"accesskey\">n</span>ext
                design;</a> </li>
                <li><a        accesskey=\"p\"        href=\"/\"
                title=\"View    previous    set    of    designs.
                AccessKey: p\">
                <span  class=\"accesskey\">p</span>revious
                designs</a></li>
                <li><a                    accesskey=\"w\"
                href=\"http://www.mezzoblue.com/zengarden/
                alldesigns/\"        title=\"View        every
                submission  to  the  Zen  Garden. AccessKey:
                w\">Vie<span  class=\"accesskey\">w</span>
                All Designs</a></li>
            </ul>
        """ rdf:XMLLiteral ;
    :blockElement "<div id=\"larchives\">" .


<!-- ----------------------------------- -->
<!--          LISTA DOS RECURSOS          -->
<!-- ----------------------------------- -->
:lista_resources
        a        awo:ElementExihibitor ;
    awo:mapsTo cwo:Label ;
    awo:visualizationText
        """
            <h3
            class=\"resources\"><span>Resources:</span></h3>
            <ul>
                <li><a                    accesskey=\"v\"
                href=\"http://www.csszengarden.com/001/001
```

```
                    .css\" title=\"View the source CSS file
                    for the currently-viewed design,
                    AccessKey:                    v\"><span
                    class=\"accesskey\">V</span>iew    This
                    Design's <acronym title=\"Cascading
                    Style Sheets\">CSS</acronym></a></li>
                    <li><a               accesskey=\"r\"
                    href=\"http://www.mezzoblue.com/zengarden/
                    resources/\" title=\"Links to great sites
                    with information on using CSS. AccessKey:
                    r\"><acronym title=\"Cascading Style
                    Sheets\">CSS</acronym>              <span
                    class=\"accesskey\">R</span>esources</a></
                    li>
                    <li><a               accesskey=\"q\"
                    href=\"http://www.mezzoblue.com/zengarden/
                    faq/\" title=\"A list of Frequently Asked
                    Questions about the Zen Garden. AccessKey:
                    q\"><acronym title=\"Frequently Asked
                    Questions\">FA<span
                    class=\"accesskey\">Q</span></acronym></a>
                    </li>
                    <li><a               accesskey=\"s\"
                    href=\"http://www.mezzoblue.com/zengarden/
                    submit/\" title=\"Send in your own CSS
                    file.       AccessKey:       s\"><span
                    class=\"accesskey\">S</span>ubmit      a
                    Design</a></li>
                    <li><a               accesskey=\"t\"
                    href=\"http://www.mezzoblue.com/zengarden/
                    translations/\" title=\"View translated
                    versions of this page. AccessKey:
                    t\"><span
                    class=\"accesskey\">T</span>ranslations</a
                    ></li>
              </ul>
        </div>
        </div>
        </div>
    """ rdf:XMLLiteral ;
     :blockElement "<div id=\"lresources\">" .
```

```
<!-- ----------------------------------- -->
<!--            FIM DA PAGINA            -->
<!-- ----------------------------------- -->
:fimPagina
        a        awo:ElementExihibitor ;
        awo:mapsTo cwo:Label ;
        awo:visualizationText
            """
                <!-- These extra divs/spans may be used as
                catch-alls to add extra imagery. -->
                <!-- Add a background image to each and use
                width and height to control sizing, place with
                absolute positioning -->
                <div     id="extraDiv1"><span></span></div><div
                id="extraDiv2"><span></span></div>
                <div id="extraDiv3"><span></span></div>
                <div     id="extraDiv4"><span></span></div><div
                id="extraDiv5"><span></span></div>
                <div id="extraDiv6"><span></span></div>
        """ rdf:XMLLiteral ;
```

Arquivo JSP Gerado pelo Sistema

```
<%@      page      contentType="text/html;      charset=ISO-8859-1"
language="java" %>

<%@ page import="shdm.data.*" %>
<%@ taglib uri='/WEB-INF/tlds/utilsTeste.tld' prefix="shdm"%>

<html>
<head>
<style type="text/css" media="all">
      @import "sample.css";
</style>
<title>css Zen Garden: The Beauty in CSS Design</title>

</head>
<body>

<shdm:ElementExihibitor name="CssZenGardenTitle"
      mapsTo="Label"
      blockElement="<h1><span>">
      <shdm:VisualizationText>
            <div id="container">
            <div id="intro">
            <div id="pageHeader">
                  css Zen Garden
      </shdm:VisualizationText>
</shdm:ElementExihibitor>


<shdm:ElementExihibitor name="1oSubTitulo"
      mapsTo="Label">
      <shdm:VisualizationText>
            <h2><span>The  Beauty  of  <acronym  title="Cascading
            Style Sheets">CSS</acronym> Design</span></h2></div>
            <div id="quickSummary">

            <p class="p1"><span>A demonstration of what can be
            accomplished     visually     through     <acronym
            title="Cascading   Style   Sheets">CSS</acronym>-based
```

```
            design. Select any style sheet from the list to load
            it into this page.</span></p>

            <p    class="p2"><span>Download    the    sample    <a
            href="zengarden-sample.html"    title="This    page's
            source HTML code, not to be modified.">html file</a>
            and    <a    href="zengarden-sample.css"    title="This
            page's sample CSS, the file you may modify.">css
            file</a></span></p></div>
        </shdm:VisualizationText>
</shdm:ElementExihibitor>


<shdm:ElementExihibitor name="2oSubTitulo"
        mapsTo="Label">
        <shdm:VisualizationText>
            <div id="preamble">
            <h3><span>The Road to Enlightenment</span></h3>

            <p class="p1"><span>Littering a dark and dreary road
            lay    the    past    relics    of    browser-specific    tags,
            incompatible<acronym        title="Document        Object
            Model">DOM</acronym>s,        and        broken        <acronym
            title="Cascading    Style        Sheets">CSS</acronym>
            support.</span></p>

            <p class="p2"><span>Today, we must clear the mind of
            past    practices. Web enlightenment has been achieved
            thanks    to    the    tireless    efforts    of    folk    like    the
            <acronym        title="World        Wide        Web
            Consortium">W3C</acronym>,        <acronym        title="Web
            Standards    Project">WaSP</acronym>    and    the    major
            browser creators.</span></p>

            <p class="p3"><span>The css Zen Garden invites you to
            relax and meditate on the important lessons of the
            masters. Begin to see with clarity. Learn to use the
            (yet    to    be)    time-honored    techniques    in    new    and
            invigorating    fashion.    Become    one    with    the
            web.</span></p></div></div>
        </shdm:VisualizationText>
```

```
</shdm:ElementExihibitor>


<shdm:ElementExihibitor name="3oSubTitulo"
      mapsTo="Label">
      <shdm:VisualizationText>
            <div id="supportingText">
            <div id="explanation">
            <h3><span>So What is This About?</span></h3>
            <p class="p1"><span>There is clearly a need for
            <acronym title="Cascading Style Sheets">CSS</acronym>
            to be taken seriously by graphic artists. The Zen
            Garden aims to excite, inspire, and encourage
            participation. To begin, view some of the existing
            designs in the list. Clicking on any one will load the
            style sheet into this very page. The code remains the
            same, the only thing that has changed is the external
            .css file. Yes, really.</span></p>

            <p class="p2"><span><acronym title="Cascading Style
            Sheets">CSS</acronym> allows complete and total
            control over the style of a hypertext document. The
            only way this can be illustrated in a way that gets
            people excited is by demonstrating what it can truly
            be, once the reins are placed in the hands of those
            able to create beauty from structure. To date, most
            examples of neat tricks and hacks have been
            demonstrated by structurists and coders. Designers
            have yet to make their mark. This needs to
            change.</span></p></div>
      </shdm:VisualizationText>
</shdm:ElementExihibitor>


<shdm:ElementExihibitor name="4oSubTitulo"
      mapsTo="Label">
      <shdm:VisualizationText>
            <div id="participation">
            <h3><span>Participation</span></h3>
            <p class="p1"><span>Graphic artists only please. You
            are modifying this page, so strong <acronym
```

```
                    title="Cascading  Style  Sheets">CSS</acronym>  skills
                    are  necessary,  but  the  example  files  are  commented
                    well  enough  that  even  <acronym title="Cascading Style
                    Sheets">CSS</acronym>  novices  can  use  them  as  starting
                    points.       Please       see       the       <a
                    href="http://www.mezzoblue.com/zengarden/resources/"
                    title="A  listing  of  CSS-related  resources"><acronym
                    title="Cascading  Style  Sheets">CSS</acronym>  Resource
                    Guide</a>  for  advanced  tutorials  and  tips  on  working
                    with       <acronym       title="Cascading       Style
                    Sheets">CSS</acronym>.</span></p>
                    <p class="p2"><span>You may modify the style sheet in
                    any   way   you   wish,   but   not   the   <acronym
                    title="HyperText Markup Language">HTML</acronym>. This
                    may  seem  daunting  at  first  if  you've  never  worked  this
                    way  before,  but  follow  the  listed  links  to  learn  more,
                    and  use  the  sample  files  as  a  guide.</span></p>
                    <p   class="p3"><span>Download   the   sample   <a
                    href="zengarden-sample.html" title="This page's source
                    HTML  code,  not  to  be  modified.">html  file</a>  and  <a
                    href="zengarden-sample.css" title="This page's sample
                    CSS,  the  file  you  may  modify.">css  file</a>  to  work  on
                    a   copy   locally.   Once   you   have   completed   your
                    masterpiece  (and  please,  don't  submit  half-finished
                    work)  upload  your  .css  file  to  a  web  server  under  your
                    control.                                      <a
                    href="http://www.mezzoblue.com/zengarden/submit/"
                    title="Use  the  contact  form  to  send  us  your  CSS
                    file">Send us a link</a>  to  the  file  and  if  we  choose
                    to  use  it,  we  will  spider  the  associated  images.  Final
                    submissions   will   be   placed   on   our
                    server.</span></p></div>
            </shdm:VisualizationText>
    </shdm:ElementExihibitor>


<shdm:ElementExihibitor name="5oSubTitulo"
            mapsTo="Label">
      <shdm:VisualizationText>
          <div id="benefits">
          <h3><span>Benefits</span></h3>
```

```
                    <p class="p1"><span>Why participate? For recognition,
                    inspiration, and a resource we can all refer to when
                    making the case for <acronym title="Cascading Style
                    Sheets">CSS</acronym>-based  design.  This  is  sorely
                    needed,  even  today.  More  and  more  major  sites  are
                    taking  the  leap,  but  not  enough  have.  One  day  this
                    gallery  will  be  a  historical  curiosity;  that  day  is
                    not today.</span></p></div>
            </shdm:VisualizationText>
    </shdm:ElementExihibitor>


<shdm:ElementExihibitor name="6oSubTitulo"
        mapsTo="Label">
        <shdm:VisualizationText>
                <div id="requirements">
                <h3><span>Requirements</span></h3>
                <p  class="p1"><span>We  would  like  to  see  as  much
                <acronym  title="Cascading  Style  Sheets,  version
                1">CSS1</acronym>        as        possible.        <acronym
                title="Cascading        Style        Sheets,        version
                2">CSS2</acronym>  should  be  limited  to  widely-
                supported elements only. The css Zen Garden is about
                functional,  practical  <acronym title="Cascading Style
                Sheets">CSS</acronym>  and  not  the  latest  bleeding-edge
                tricks  viewable  by  2%  of  the  browsing  public.  The  only
                real  requirement  we  have  is  that  your  <acronym
                title="Cascading        Style        Sheets">CSS</acronym>
                validates.</span></p>

                <p  class="p2"><span>Unfortunately,  designing  this  way
                highlights  the  flaws  in  the  various  implementations  of
                <acronym title="Cascading Style Sheets">CSS</acronym>.
                Different    browsers    display    differently,    even
                completely    valid    <acronym    title="Cascading    Style
                Sheets">CSS</acronym>  at  times,  and  this  becomes
                maddening  when  a  fix  for  one  leads  to  breakage  in
                another.            View            the            <a
                href="http://www.mezzoblue.com/zengarden/resources/"
                title="A         listing         of         CSS-related
                resources">Resources</a>  page  for  information  on  some
```

of the fixes available. Full browser compliance is still sometimes a pipe dream, and we do not expect you to come up with pixel-perfect code across every platform. But do test in as many as you can. If your design doesn't work in at least IE5+/Win and Mozilla (run by over 90% of the population), chances are we won't accept it.</p>

<p class="p3">We ask that you submit original artwork. Please respect copyright laws. Please keep objectionable material to a minimum; tasteful nudity is acceptable, outright pornography will be rejected.</p>

<p class="p4">This is a learning exercise as well as a demonstration. You retain full copyright on your graphics (with limited exceptions, see submission guidelines), but we ask you release your <acronym title="Cascading Style Sheets">CSS</acronym> under a Creative Commons license identical to the one on this site so that others may learn from your work.</p>

<p class="p5">Bandwidth graciously donated by DreamFire Studios</p></div>

<div id="footer">
    xhtml
    css
    <a href="http://creativecommons.org/licenses/by-nc-sa/1.0/" title="View details of the license

```
                          of        this     site,     courtesy     of     Creative
                          Commons.">cc</a>
                          <a
                          href="http://bobby.watchfire.com/bobby/bobbyServ
                          let?URL=http%3A%2F%2Fwww.mezzoblue.com%2Fzengard
                          en%2F&amp;output=Submit&amp;gl=sec508&amp;test="
                          title="Check    the    accessibility    of    this    site
                          according to U.S. Section 508">508</a>
                          <a
                          href="http://bobby.watchfire.com/bobby/bobbyServ
                          let?URL=http%3A%2F%2Fwww.mezzoblue.com%2Fzengard
                          en%2F&amp;output=Submit&amp;gl=wcag1-
                          aaa&amp;test=" title="Check the accessibility of
                          this site according to WAI Content Accessibility
                          Guidelines 1">aaa</a>
                  </div>
                  </div>
          </shdm:VisualizationText>
</shdm:ElementExihibitor>


<shdm:ElementExihibitor name="lista_estilos"
          mapsTo="Label">
          <shdm:VisualizationText>
                  <div id="linkList">
                  <div id="linkList2">
                  <div id="lselect">
                  <h3 class="select"><span>Select a Design:</span></h3>
                  <!-- list of links begins here. There will be no more
                  than 8 links per page -->
                          <ul>
                              <li><a        accesskey="a"        href="/"
                              title="AccessKey: a">Sample #1</a>  by  <a
                              class="c"
                              href="http://www.mezzoblue.com/">Dave
                              Shea</a> </li>
                              <li><a        accesskey="b"        href="/"
                              title="AccessKey: b">Sample  #2</a>  by  <a
                              class="c"
                              href="http://www.mezzoblue.com/">Dave
                              Shea</a> </li>
```

```
                    <li><a        accesskey="c"        href="/"
                    title="AccessKey: c">Sample #3</a> by <a
                    class="c"
                    href="http://www.mezzoblue.com/">Dave
                    Shea</a> </li>
                    <li><a        accesskey="d"        href="/"
                    title="AccessKey: d">Sample #4</a> by <a
                    class="c"
                    href="http://www.mezzoblue.com/">Dave
                    Shea</a> </li>
                    <li><a        accesskey="e"        href="/"
                    title="AccessKey: e">Sample #5</a> by <a
                    class="c"
                    href="http://www.mezzoblue.com/">Dave
                    Shea</a> </li>
                    <li><a        accesskey="f"        href="/"
                    title="AccessKey: f">Sample #6</a> by <a
                    class="c"
                    href="http://www.mezzoblue.com/">Dave
                    Shea</a> </li>
                    <li><a        accesskey="g"        href="/"
                    title="AccessKey: g">Sample #7</a> by <a
                    class="c"
                    href="http://www.mezzoblue.com/">Dave
                    Shea</a> </li>
                    <li><a        accesskey="h"        href="/"
                    title="AccessKey: h">Sample #8</a> by <a
                    class="c"
                    href="http://www.mezzoblue.com/">Dave
                    Shea</a> </li>
                </ul>
            </div>
    </shdm:VisualizationText>
</shdm:ElementExihibitor>


<shdm:ElementExihibitor name="lista_archives"
    mapsTo="Label"
    blockElement="<div id='larchives'>">
    <shdm:VisualizationText>
        <h3 class="archives"><span>Archives:</span></h3>
```

```
            <ul>
                <li><a accesskey="n" href="/" title="View next set
                of      designs.       AccessKey:       n"><span
                class="accesskey">n</span>ext design;</a> </li>
                <li><a accesskey="p" href="/" title="View previous
                set of designs. AccessKey: p">
                <span          class="accesskey">p</span>revious
                designs</a></li>
                <li><a                             accesskey="w"
                href="http://www.mezzoblue.com/zengarden/alldesign
                s/"  title="View   every  submission  to   the  Zen
                Garden.         AccessKey:          w">Vie<span
                class="accesskey">w</span> All Designs</a></li>
            </ul>
        </shdm:VisualizationText>
</shdm:ElementExihibitor>


<shdm:ElementExihibitor name="lista_resources"
        blockElement="<div id='lresources'>"
        mapsTo="Label">
        <shdm:VisualizationText>
            <h3 class="resources"><span>Resources:</span></h3>
            <ul>
                <li><a                             accesskey="v"
                href="http://www.csszengarden.com/001/001.css"
                title="View the source CSS file for the currently-
                viewed      design,     AccessKey:        v"><span
                class="accesskey">V</span>iew    This    Design's
                <acronym        title="Cascading         Style
                Sheets">CSS</acronym></a></li>
                <li><a                             accesskey="r"
                href="http://www.mezzoblue.com/zengarden/resources/
                " title="Links to great sites with information on
                using CSS. AccessKey: r"><acronym title="Cascading
                Style        Sheets">CSS</acronym>        <span
                class="accesskey">R</span>esources</a></li>
                <li><a                             accesskey="q"
                href="http://www.mezzoblue.com/zengarden/faq/"
                title="A list of Frequently Asked Questions about
                the    Zen    Garden.    AccessKey:    q"><acronym
```

```
                    title="Frequently     Asked     Questions">FA<span
                    class="accesskey">Q</span></acronym></a> </li>
                    <li><a                          accesskey="s"
                    href="http://www.mezzoblue.com/zengarden/submit/"
                    title="Send  in  your  own  CSS  file.  AccessKey:
                    s"><span     class="accesskey">S</span>ubmit      a
                    Design</a></li>
                    <li><a                          accesskey="t"
                    href="http://www.mezzoblue.com/zengarden/translatio
                    ns/" title="View translated versions of this page.
                    AccessKey:                              t"><span
                    class="accesskey">T</span>ranslations</a></li>
            </ul>
            </div>
            </div>
            </div>
       </shdm:VisualizationText>
   </shdm:ElementExihibitor>


   <shdm:ElementExihibitor  name="fimPagina"
            mapsTo="Label">
            <shdm:VisualizationText>
                <!-- These extra divs/spans may be used as catch-alls
                to add extra imagery. -->
                <!-- Add a background image to each and use width and
                height  to  control  sizing,  place  with  absolute
                positioning -->
                <div          id="extraDiv1"><span></span></div><div
                id="extraDiv2"><span></span></div>
                <div id="extraDiv3"><span></span></div>
                <div          id="extraDiv4"><span></span></div><div
                id="extraDiv5"><span></span></div>
                <div id="extraDiv6"><span></span></div>
       </shdm:VisualizationText>
    </shdm:ElementExihibitor>


</body>
</html>
```

Código HTML Gerado pelo Sistema

```html
<html>
<head>
<link        REL="STYLESHEET"        HREF="csszengardenSimples.css"
TYPE="text/css">
<title>Concrete Home Page</title>
</head>
<body>

<div id="container">
     <div id="intro">
     <div id="pageHeader">
     <h1><span>css Zen Garden</span></h1>


     <h2><span>The Beauty of <acronym title= "Cascading Style
     Sheets">CSS</acronym>Design</span></h2>
     </div>
     <div id="quickSummary">
          <p class="p1"><span>A demonstration of what can be
          accomplished    visually    through    <acronym
          title="Cascading  Style  Sheets">CSS</acronym>-based
          design. Select any style sheet from the list to load
          it into this page.</span></p>

          <p    class="p2"><span>Download    the    sample    <a
          href="zengarden-sample.html" title="This page's source
          HTML code, not to be modified.">html file</a> and <a
          href="zengarden-sample.css" title="This page's sample
          CSS, the file you may modify.">css file</a></span></p>
     </div>

<div id="preamble">
<h3><span>The Road to Enlightenment </span></h3>
     <p class="p1"><span>Littering a dark and dreary road lay the
     past relics of browser-specific tags, incompatible <acronym
     title="Document  Object  Model">DOM</acronym>s,  and  broken
     <acronym    title="Cascading    Style    Sheets">CSS</acronym>
     support.</span></p>
```

```
<p class="p2"><span>Today, we must clear the mind of past
practices. Web enlightenment has been achieved thanks to the
tireless efforts of folk like the <acronym title="World Wide
Web Consortium">W3C</acronym>, <acronym title="Web Standards
Project">WaSP</acronym>    and    the    major    browser
creators.</span></p>

<p class="p3"><span>The css Zen Garden invites you to relax
and meditate on the important lessons of the masters. Begin
to see with clarity. Learn to use the (yet to be) time-
honored techniques in new and invigorating fashion. Become
one with the web.</span></p>
    </div>
</div>


<div id="supportingText">
    <div id="explanation">
    <h3><span>So What is This About?</span></h3>
    <p class="p1"><span>There is clearly a need for <acronym
title="Cascading Style Sheets">CSS</acronym> to be taken
seriously by graphic artists. The Zen Garden aims to excite,
inspire, and encourage participation. To begin, view some of
the existing designs in the list. Clicking on any one will
load the style sheet into this very page. The code remains
the same, the only thing that has changed is the external
.css file. Yes, really.</span></p>

<p    class="p2"><span><acronym    title="Cascading    Style
Sheets">CSS</acronym> allows complete and total control over
the style of a hypertext document. The only way this can be
illustrated in a way that gets people excited is by
demonstrating what it can truly be, once the reins are
placed in the hands of those able to create beauty from
structure. To date, most examples of neat tricks and hacks
have been demonstrated by structurists and coders. Designers
have    yet    to    make    their    mark.    This    needs    to
change.</span></p></div>

<div id="participation">
<h3><span>Participation</span></h3>
```

```
<p class="p1"><span>Graphic artists only please. You are
modifying this page, so strong <acronym title="Cascading
Style Sheets">CSS</acronym> skills are necessary, but the
example files are commented well enough that even <acronym
title="Cascading Style Sheets">CSS</acronym> novices can use
them as starting points. Please see the <a
href="http://www.mezzoblue.com/zengarden/resources/"
title="A listing of CSS-related resources"><acronym
title="Cascading Style Sheets">CSS</acronym> Resource
Guide</a> for advanced tutorials and tips on working with
<acronym title="Cascading Style
Sheets">CSS</acronym>.</span></p>

<p class="p2"><span>You may modify the style sheet in any
way you wish, but not the <acronym title="HyperText Markup
Language">HTML</acronym>. This may seem daunting at first if
you've never worked this way before, but follow the listed
links to learn more, and use the sample files as a
guide.</span></p>

<p class="p3"><span>Download the sample <a href="zengarden-
sample.html" title="This page's source HTML code, not to be
modified.">html file</a> and <a href="zengarden-sample.css"
title="This page's sample CSS, the file you may modify.">css
file</a> to work on a copy locally. Once you have completed
your masterpiece (and please, don't submit half-finished
work) upload your .css file to a web server under your
control.                                              <a
href="http://www.mezzoblue.com/zengarden/submit/" title="Use
the contact form to send us your CSS file">Send us a
link</a> to the file and if we choose to use it, we will
spider the associated images. Final submissions will be
placed on our server.</span></p></div>


<div id="benefits">
<h3><span>Benefits</span></h3>
    <p class="p1"><span>Why participate? For recognition,
    inspiration, and a resource we can all refer to when making
    the case for <acronym title="Cascading Style
    Sheets">CSS</acronym>-based design. This is sorely needed,
```

even today. More and more major sites are taking the leap,
but not enough have. One day this gallery will be a
historical curiosity; that day is not
today.</p></div>


```
<div id="requirements">
<h3><span>Requirements</span></h3>
```
        <p class="p1">We would like to see as much <acronym
        title="Cascading Style Sheets, version 1">CSS1</acronym> as
        possible. <acronym title="Cascading Style Sheets, version
        2">CSS2</acronym> should be limited to widely-supported
        elements only. The css Zen Garden is about functional,
        practical <acronym title="Cascading Style
        Sheets">CSS</acronym> and not the latest bleeding-edge
        tricks viewable by 2% of the browsing public. The only real
        requirement we have is that your <acronym title="Cascading
        Style Sheets">CSS</acronym> validates.</p>

        <p class="p2"> Unfortunately, designing this way
        highlights the flaws in the various implementations of
        <acronym title="Cascading Style Sheets">CSS</acronym>.
        Different browsers display differently, even completely
        valid <acronym title="Cascading Style Sheets">CSS</acronym>
        at times, and this becomes maddening when a fix for one
        leads to breakage in another. View the <a
        href="http://www.mezzoblue.com/zengarden/resources/"
        title="A listing of CSS-related resources">Resources
        page for information on some of the fixes available. Full
        browser compliance is still sometimes a pipe dream, and we
        do not expect you to come up with pixel-perfect code across
        every platform. But do test in as many as you can. If your
        design doesn't work in at least IE5+/Win and Mozilla (run by
        over 90% of the population), chances are we won't accept
        it.</p>

        <p class="p3">We ask that you submit original artwork.
        Please respect copyright laws. Please keep objectionable
        material to a minimum; tasteful nudity is acceptable,
        outright pornography will be rejected.</p>

```
<p class="p4"><span>This is a learning exercise as well as a
demonstration. You retain full copyright on your graphics
(with        limited        exceptions,        see        <a
href="http://www.mezzoblue.com/zengarden/submit/guidelines/"
>submission guidelines</a>), but we ask you release your
<acronym title="Cascading Style Sheets">CSS</acronym> under
a  Creative  Commons  license  identical  to  the  <a
href="http://creativecommons.org/licenses/sa/1.0/"
title="View the Zen Garden's license information.">one on
this  site</a>  so  that  others  may  learn  from  your
work.</span></p>

<p  class="p5"><span>Bandwidth  graciously  donated  by  <a
href="http://www.dreamfirestudios.com/">DreamFire
Studios</a></span></p></div>

<div id="footer">
     <a        href="http://validator.w3.org/check/referer"
     title="Check   the   validity   of   this   site's
     XHTML">xhtml</a>
     <a                  href="http://jigsaw.w3.org/css-
     validator/check/referer" title="Check the validity of
     this site's CSS">css</a>
     <a    href="http://creativecommons.org/licenses/by-nc-
     sa/1.0/" title="View details of the license of this
     site, courtesy of Creative Commons.">cc</a>
     <a
     href="http://bobby.watchfire.com/bobby/bobbyServlet?UR
     L=http%3A%2F%2Fwww.mezzoblue.com%
     2Fzengarden%2F&amp;output=Submit&amp;gl=sec508&amp;tes
     t=" title="Check the accessibility of this site
     according to U.S. Section 508">508</a>
     <a
     href="http://bobby.watchfire.com/bobby/bobbyServlet?UR
     L=http%3A%2F%2Fwww.mezzoblue.com%
     2Fzengarden%2F&amp;output=Submit&amp;gl=wcag1-
     aaa&amp;test=" title="Check the accessibility of this
     site according to WAI Content Accessibility Guidelines
     1">aaa</a>
</div>
</div>
```

```
<div id="linkList">
<div id="linkList2">
<div id="lselect">
    <h3 class="select"><span>Select a Design:</span></h3>
    <!-- list of links begins here. There will be no more than 8
    links per page -->
     <ul>
            <li><a    accesskey="a"    href="/"    title="AccessKey:
            a">Sample      #1</a>      by      <a      class="c"
            href="http://www.mezzoblue.com/">Dave Shea</a> </li>
            <li><a    accesskey="b"    href="/"    title="AccessKey:
            b">Sample      #2</a>      by      <a      class="c"
            href="http://www.mezzoblue.com/">Dave Shea</a> </li>
            <li><a    accesskey="c"    href="/"    title="AccessKey:
            c">Sample      #3</a>      by      <a      class="c"
            href="http://www.mezzoblue.com/">Dave Shea</a> </li>
            <li><a    accesskey="d"    href="/"    title="AccessKey:
            d">Sample      #4</a>      by      <a      class="c"
            href="http://www.mezzoblue.com/">Dave Shea</a> </li>
            <li><a    accesskey="e"    href="/"    title="AccessKey:
            e">Sample      #5</a>      by      <a      class="c"
            href="http://www.mezzoblue.com/">Dave Shea</a> </li>
            <li><a    accesskey="f"    href="/"    title="AccessKey:
            f">Sample      #6</a>      by      <a      class="c"
            href="http://www.mezzoblue.com/">Dave Shea</a> </li>
            <li><a    accesskey="g"    href="/"    title="AccessKey:
            g">Sample      #7</a>      by      <a      class="c"
            href="http://www.mezzoblue.com/">Dave Shea</a> </li>
            <li><a    accesskey="h"    href="/"    title="AccessKey:
            h">Sample      #8</a>      by      <a      class="c"
            href="http://www.mezzoblue.com/">Dave Shea</a> </li>
        </ul>
</div>

<div id='larchives'>
<h3 class="archives"><span>Archives: </span></h3>
    <ul>
            <li><a accesskey="n" href="/" title="View next set of
            designs.          AccessKey:          n"><span
            class="accesskey">n</span>ext design;</a> </li>
```

```
            <li><a accesskey="p" href="/" title="View previous set
            of designs. AccessKey: p">
            <span              class="accesskey">p</span>revious
            designs</a></li>
            <li><a                             accesskey="w"
            href="http://www.mezzoblue.com/zengarden/alldesigns/"
            title="View    every    submission    to    the    Zen    Garden.
            AccessKey: w">Vie<span class="accesskey">w</span> All
            Designs</a></li>
        </ul>
    </div>


    <div id='lresources'>
        <h3 class="resources"><span>  Resources:</span></h3>
        <ul>
            <li><a                             accesskey="v"
            href="http://www.csszengarden.com/001/001.css"
            title="View    the    source    CSS    file    for    the    currently-
            viewed         design,         AccessKey:         v"><span
            class="accesskey">V</span>iew This Design's <acronym
            title="Cascading Style Sheets">CSS</acronym></a></li>
            <li><a                             accesskey="r"
            href="http://www.mezzoblue.com/zengarden/resources/"
            title="Links   to   great   sites   with   information   on   using
            CSS.    AccessKey:   r"><acronym   title="Cascading   Style
            Sheets">CSS</acronym>                            <span
            class="accesskey">R</span>esources</a></li>
            <li><a                             accesskey="q"
            href="http://www.mezzoblue.com/zengarden/faq/" title="A
            list   of   Frequently   Asked   Questions   about   the   Zen
            Garden. AccessKey: q"><acronym title="Frequently Asked
            Questions">FA<span
            class="accesskey">Q</span></acronym></a> </li>
            <li><a                             accesskey="s"
            href="http://www.mezzoblue.com/zengarden/submit/"
            title="Send   in   your   own   CSS   file.   AccessKey:   s"><span
            class="accesskey">S</span>ubmit a Design</a></li>
            <li><a                             accesskey="t"
            href="http://www.mezzoblue.com/zengarden/translations/"
            title="View    translated    versions    of    this    page.
```

```
                AccessKey:                                    t"><span
            class="accesskey">T</span>ranslations</a></li>
        </ul>
</div>
</div>
</div>
</div>


<!-- These extra divs/spans may be used as catch-alls to add extra
imagery. -->
<!-- Add a background image to each and use width and height to
control sizing, place with absolute positioning -->
<div                    id="extraDiv1"><span></span></div><div
id="extraDiv2"><span></span></div>
<div id="extraDiv3"><span></span></div>
<div                    id="extraDiv4"><span></span></div><div
id="extraDiv5"><span></span></div>
<div id="extraDiv6"><span></span></div>


</body>
</html>
```

Código HTML Original

```
<!DOCTYPE   html   PUBLIC   "-//W3C//DTD   XHTML   1.0   Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" >

<head>
<meta http-equiv="content-type" content="text/html; charset=iso-
8859-1" />
<meta name="author" content="Dave Shea" />
<meta  name="keywords"  content="design,  css,  cascading,  style,
sheets,  xhtml,  graphic  design,  w3c,  web  standards,  visual,
display" />
<meta name="description" content="A demonstration of what can be
accomplished visually through CSS-based design." />
<meta name="robots" content="all" />

<style type="text/css" media="all">
     @import "sample.css";
</style>
<title>css Zen Garden: The Beauty in CSS Design</title>
</head>

<body onload="window.defaultStatus='css Zen Garden: The Beauty in
CSS Design';" id="css-zen-garden">

    <div id="container">
     <div id="intro">
      <div id="pageHeader">
          <h1><span>css Zen Garden</span></h1>
          <h2><span>The Beauty of <acronym title="Cascading
          Style Sheets">CSS</acronym> Design</span></h2>
          </div>

          <div id="quickSummary">
              <p class="p1"><span>A demonstration of what can
              be accomplished visually through <acronym
              title="Cascading Style Sheets">CSS</acronym>-
              based design. Select any style sheet from the
              list to load it into this page.</span></p>
```

```
            <p class="p2"><span>Download the sample <a
            href="zengarden-sample.html" title="This page's
            source HTML code, not to be modified.">html
            file</a> and <a href="zengarden-sample.css"
            title="This page's sample CSS, the file you may
            modify.">css file</a></span></p>
        </div>


<div id="preamble">
<h3><span>The Road to Enlightenment</span></h3>
            <p class="p1"><span>Littering a dark and dreary
            road lay the past relics of browser-specific
            tags, incompatible <acronym title="Document
            Object Model">DOM</acronym>s, and broken
            <acronym title="Cascading Style
            Sheets">CSS</acronym> support.</span></p>

            <p class="p2"><span>Today, we must clear the
            mind of past practices. Web enlightenment has
            been achieved thanks to the tireless efforts of
            folk like the <acronym title="World Wide Web
            Consortium">W3C</acronym>, <acronym title="Web
            Standards Project">WaSP</acronym> and the major
            browser creators.</span></p>

            <p class="p3"><span>The css Zen Garden invites
            you to relax and meditate on the important
            lessons of the masters. Begin to see with
            clarity. Learn to use the (yet to be) time-
            honored techniques in new and invigorating
            fashion. Become one with the web.</span></p>
        </div>
    </div>


    <div id="supportingText">
        <div id="explanation">
            <h3><span>So What is This About?</span></h3>
            <p class="p1"><span>There is clearly a need for
            <acronym title="Cascading Style
            Sheets">CSS</acronym> to be taken seriously by
            graphic artists. The Zen Garden aims to excite,
```

inspire, and encourage participation. To begin,
view some of the existing designs in the list.
Clicking on any one will load the style sheet
into this very page. The code remains the same,
the only thing that has changed is the external
.css file. Yes, really.</p>

<p class="p2"><acronym title="Cascading
Style Sheets">CSS</acronym> allows complete and
total control over the style of a hypertext
document. The only way this can be illustrated
in a way that gets people excited is by
demonstrating what it can truly be, once the
reins are placed in the hands of those able to
create beauty from structure. To date, most
examples of neat tricks and hacks have been
demonstrated by structurists and coders.
Designers have yet to make their mark. This
needs to change.</p>
</div>

<div id="participation">
<h3>Participation</h3>
    <p class="p1">Graphic artists only please.
    You are modifying this page, so strong <acronym
    title="Cascading Style Sheets">CSS</acronym>
    skills are necessary, but the example files are
    commented well enough that even <acronym
    title="Cascading Style Sheets">CSS</acronym>
    novices can use them as starting points. Please
    see   the   <a
    href="http://www.mezzoblue.com/zengarden/resourc
    es/"   title="A   listing   of   CSS-related
    resources"><acronym   title="Cascading   Style
    Sheets">CSS</acronym>   Resource   Guide   for
    advanced   tutorials   and   tips   on   working   with
    <acronym   title="Cascading   Style
    Sheets">CSS</acronym>.</p>

    <p class="p2"><span>You   may   modify   the   style
    sheet in any way you wish, but not the <acronym

```
      title="HyperText                    Markup
      Language">HTML</acronym>. This may seem daunting
      at first if you&#8217;ve never worked this way
      before, but follow the listed links to learn
      more, and use the sample files as a
      guide.</span></p>

      <p class="p3"><span>Download the sample <a
      href="zengarden-sample.html" title="This page's
      source HTML code, not to be modified.">html
      file</a> and <a href="zengarden-sample.css"
      title="This page's sample CSS, the file you may
      modify.">css file</a> to work on a copy locally.
      Once you have completed your masterpiece (and
      please, don&#8217;t submit half-finished work)
      upload your .css file to a web server under your
      control.                              <a
      href="http://www.mezzoblue.com/zengarden/submit/
      " title="Use the contact form to send us your
      CSS file">Send us a link</a> to the file and if
      we choose to use it, we will spider the
      associated images. Final submissions will be
      placed on our server.</span></p>
</div>

<div id="benefits">
      <h3><span>Benefits</span></h3>
      <p class="p1"><span>Why participate? For
      recognition, inspiration, and a resource we can
      all refer to when making the case for <acronym
      title="Cascading Style Sheets">CSS</acronym>-
      based design. This is sorely needed, even today.
      More and more major sites are taking the leap,
      but not enough have. One day this gallery will
      be a historical curiosity; that day is not
      today.</span></p>
</div>

<div id="requirements">
<h3><span>Requirements</span></h3>
```

```
<p class="p1"><span>We would like to see as much
<acronym title="Cascading Style Sheets, version
1">CSS1</acronym>    as    possible.    <acronym
title="Cascading    Style    Sheets,    version
2">CSS2</acronym> should be limited to widely-
supported elements only. The css Zen Garden is
about    functional,    practical    <acronym
title="Cascading Style Sheets">CSS</acronym> and
not the latest bleeding-edge tricks viewable by
2%  of  the  browsing  public.  The  only  real
requirement  we  have  is  that  your  <acronym
title="Cascading    Style    Sheets">CSS</acronym>
validates.</span></p>

<p  class="p2"><span>Unfortunately,  designing
this  way  highlights  the  flaws  in  the  various
implementations  of  <acronym  title="Cascading
Style Sheets">CSS</acronym>. Different browsers
display  differently,  even  completely  valid
<acronym        title="Cascading        Style
Sheets">CSS</acronym> at times, and this becomes
maddening when a fix for one leads to breakage
in      another.      View      the      <a
href="http://www.mezzoblue.com/zengarden/resourc
es/"  title="A  listing  of  CSS-related
resources">Resources</a> page for information on
some  of  the  fixes  available.  Full  browser
compliance is still sometimes a pipe dream, and
we  do  not  expect  you  to  come  up  with  pixel-
perfect code across every platform. But do test
in  as  many  as  you  can.  If  your  design
doesn&#8217;t  work  in  at  least  IE5+/Win  and
Mozilla (run by over 90% of the population),
chances are we won&#8217;t accept it.</span></p>

<p  class="p3"><span>We  ask  that  you  submit
original artwork. Please respect copyright laws.
Please keep objectionable material to a minimum;
tasteful  nudity  is  acceptable,  outright
pornography will be rejected.</span></p>
```

```
<p class="p4"><span>This is a learning exercise
as well as a demonstration. You retain full
copyright on your graphics (with limited
exceptions,               see               <a
href="http://www.mezzoblue.com/zengarden/submit/
guidelines/">submission guidelines</a>), but we
ask you release your <acronym title="Cascading
Style Sheets">CSS</acronym> under a Creative
Commons license identical to the <a
href="http://creativecommons.org/licenses/sa/1.0
/" title="View the Zen Garden's license
information.">one on this site</a> so that
others may learn from your work.</span></p>

<p class="p5"><span>Bandwidth graciously donated
by                                           <a
href="http://www.dreamfirestudios.com/">DreamFir
e Studios</a></span></p>
</div>

<div id="footer">
    <a href="http://validator.w3.org/check/referer"
    title="Check the validity of this site&#8217;s
    XHTML">xhtml</a>  
    <a            href="http://jigsaw.w3.org/css-
    validator/check/referer"    title="Check    the
    validity of this site&#8217;s CSS">css</a>
     
    <a href="http://creativecommons.org/licenses/by-
    nc-sa/1.0/" title="View details of the license
    of this site, courtesy of Creative
    Commons.">cc</a>  
    <a
    href="http://bobby.watchfire.com/bobby/bobbyServ
    let?URL=http%3A%2F%2Fwww.mezzoblue.com%2Fzengard
    en%2F&amp;output=Submit&amp;gl=sec508&amp;test="
    title="Check the accessibility of this site
    according to U.S. Section 508">508</a>  
    <a
    href="http://bobby.watchfire.com/bobby/bobbyServ
    let?URL=http%3A%2F%2Fwww.mezzoblue.com%2Fzengard
```

```
                    en%2F&amp;output=Submit&amp;gl=wcag1-
                    aaa&amp;test=" title="Check the accessibility of
                    this site according to WAI Content Accessibility
                    Guidelines 1">aaa</a>
            </div>

        </div>


<div id="linkList">
<!--extra div for flexibility - this list will probably be the
trickiest spot you'll deal with -->
    <div id="linkList2">
    <!-- If you're wondering about the extra   at the end of
    the link, it's a hack to meet WCAG 1 Accessibility. -->
    <!-- I don't like having to do it, but this is a visual
    exercise. It's a compromise. -->
     <div id="lselect">
     <h3 class="select"><span>Select a Design:</span></h3>
     <!-- list of links begins here. There will be no more than 8
     links per page -->
            <ul>
                    <li><a      href="/"      title="AccessKey:     a"
                    accesskey="a">Sample      #1</a>      by      <a
                    href="http://www.mezzoblue.com/"  class="c">Dave
                    Shea</a> </li>
                    <li><a      href="/"      title="AccessKey:     b"
                    accesskey="b">Sample      #2</a>      by      <a
                    href="http://www.mezzoblue.com/"  class="c">Dave
                    Shea</a> </li>
                    <li><a      href="/"      title="AccessKey:     c"
                    accesskey="c">Sample      #3</a>      by      <a
                    href="http://www.mezzoblue.com/"  class="c">Dave
                    Shea</a> </li>
                    <li><a      href="/"      title="AccessKey:     d"
                    accesskey="d">Sample      #4</a>      by      <a
                    href="http://www.mezzoblue.com/"  class="c">Dave
                    Shea</a> </li>
                    <li><a      href="/"      title="AccessKey:     e"
                    accesskey="e">Sample      #5</a>      by      <a
```

```
                    href="http://www.mezzoblue.com/"  class="c">Dave
                    Shea</a> </li>
                    <li><a      href="/"      title="AccessKey:      f"
                    accesskey="f">Sample      #6</a>      by      <a
                    href="http://www.mezzoblue.com/"  class="c">Dave
                    Shea</a> </li>
                    <li><a      href="/"      title="AccessKey:      g"
                    accesskey="g">Sample      #7</a>      by      <a
                    href="http://www.mezzoblue.com/"  class="c">Dave
                    Shea</a> </li>
                    <li><a      href="/"      title="AccessKey:      h"
                    accesskey="h">Sample      #8</a>      by      <a
                    href="http://www.mezzoblue.com/"  class="c">Dave
                    Shea</a> </li>
            </ul>
        </div>

        <div id="larchives">
        <h3 class="archives"><span>Archives:</span></h3>
            <ul>
                    <li><a href="/" title="View next set of designs.
                    AccessKey:         n"         accesskey="n"><span
                    class="accesskey">n</span>ext         designs
                    &raquo;</a> </li>
                    <li><a  href="/"  title="View  previous  set  of
                    designs. AccessKey: p" accesskey="p">&laquo;
                    <span         class="accesskey">p</span>revious
                    designs</a></li>
                    <li><a
                    href="http://www.mezzoblue.com/zengarden/alldesi
                    gns/" title="View every submission to the Zen
                    Garden. AccessKey: w" accesskey="w">Vie<span
                    class="accesskey">w</span> All Designs</a></li>
            </ul>
        </div>

        <div id="lresources">
        <h3 class="resources"><span>Resources:</span></h3>
            <ul>
                    <li><a
                    href="http://www.csszengarden.com/001/001.css"
```

```
                                    title="View    the    source    CSS    file    for    the
                                    currently-viewed    design,    AccessKey:    v"
                                    accesskey="v"><span
                                    class="accesskey">V</span>iew            This
                                    Design&#8217;s <acronym title="Cascading Style
                                    Sheets">CSS</acronym></a></li>
                                    <li><a
                                    href="http://www.mezzoblue.com/zengarden/resourc
                                    es/"    title="Links    to    great    sites    with
                                    information    on    using    CSS.    AccessKey:    r"
                                    accesskey="r"><acronym    title="Cascading    Style
                                    Sheets">CSS</acronym>                <span
                                    class="accesskey">R</span>esources</a></li>
                                    <li><a
                                    href="http://www.mezzoblue.com/zengarden/faq/"
                                    title="A    list    of    Frequently    Asked    Questions
                                    about    the    Zen    Garden.    AccessKey:    q"
                                    accesskey="q"><acronym    title="Frequently    Asked
                                    Questions">FA<span
                                    class="accesskey">Q</span></acronym></a> </
                                    li>
                                    <li><a
                                    href="http://www.mezzoblue.com/zengarden/submit/
                                    " title="Send    in    your    own    CSS    file.    AccessKey:
                                    s"                accesskey="s"><span
                                    class="accesskey">S</span>ubmit            a
                                    Design</a></li>
                                    <li><a
                                    href="http://www.mezzoblue.com/zengarden/transla
                                    tions/" title="View translated versions of this
                                    page.    AccessKey:    t"    accesskey="t"><span
                                    class="accesskey">T</span>ranslations</a></li>
                    </ul>
            </div>
        </div>
    </div>
</div>

<!-- These extra divs/spans may be used as catch-alls to add extra
imagery. -->
```

```
<!-- Add a background image to each and use width and height to
control sizing, place with absolute positioning -->
<div                    id="extraDiv1"><span></span></div><div
id="extraDiv2"><span></span></div>
<div id="extraDiv3"><span></span></div>
<div                    id="extraDiv4"><span></span></div><div
id="extraDiv5"><span></span></div>
<div id="extraDiv6"><span></span></div>

</body>
</htm>
```