

Solutions to Selected Exercises

Chapter 2

Exercise 2.1

```
<!DOCTYPE html>
<!-- e2_1.html
      This is a solution to Exercise 2.1
      -->
<html lang = "en">
<head>
  <title> Exercise 2.1 </title>
  <meta charset = "utf-8" />
</head>
<body>
<h2> Ruper B. Baggins </h2>
<p>
1321 Causeway Circle <br />
Middle, Earth <br />
rbaggins@miderth.net<br />
</p>
<hr />
<h3> Bush Watcher </h3>
<p>
<em> Forest Keepers, Limited </em> <br />
14 Cranberry Way <br />
Middle, Earth <br />
<strong> (no web site yet) </strong>
</p>
</body>
</html>
```

Exercise 2.3

```
<!DOCTYPE html">
<!-- e2_3.html
      This is a solution to Exercise 2.3
      -->
<html lang = "en">
<head>
  <title> Exercise 2.3 </title>
  <meta charset = "utf-8" />
</head>
<body>
<h2> Ruper B. Baggins </h2>
<p>
1321 Causeway Circle <br />
Middle, Earth <br />
rbaggins@miderth.net<br /><br />
<a href = "e2_31.html"> Mr. Baggins' Background </a>
</p>
<hr />
<h3> Bush Watcher </h3>
<p>
<em> Forest Keepers, Limited </em> <br />
```

```
14 Cranberry Way <br />
Middle, Earth <br />
<strong> (no web site yet) </strong>
</p>
</body>
</html>
```

```
<!DOCTYPE html>
<!-- e2_31.html
      This is part of the solution to Exercise 2.3
      (The second document for the background info)
-->
<html lang = "en">
<head>
  <title> Exercise 2.3 (background) </title>
  <meta charset = "utf-8" />
</head>
<body>
<p>
Although we share the same family name, I am not in any way
related to the famous (or is it infamous) adventurer, Bilbo.
I have a lovely wife, Elvira, and two grown children, Max
and Miriam. Max has chosen to follow me in my profession,
which is described below. Miriam is a beekeeper for the town
bookkeeper, who keeps bees as a second job.
</p>
<p>
I am employed by Forest Keepers, Limited. My job, as I understand
it, is to keep an eye on the 4 acres of wild cranberries that
grow in the swamp at the edge of the village forest. I am required
to file a daily report, in triplicate, on the condition of the
cranberry bushes. To accomplish my task, I walk by and inspect
every cranberry bush in the swamp every workday. My employer provides
me with wading boots for my job. I pick up the boots at the office
every weekday morning and turn them back in, after a thorough
cleaning, after each workday.
</p>
</body>
</html>
```

Exercise 2.4

```
<!DOCTYPE html>
<!-- e2_4.html
      A solution to Exercise 2.4 - an unordered list
-->
<html lang = "en">
<head>
  <title> Unordered List </title>
  <meta charset = "utf-8" />
</head>
<body>
<h3> Grocery List </h3>
<ul>
  <li> milk - 2%, 2 gallons </li>
  <li> bread - butter top wheat </li>
  <li> cheddar cheese - sharp, 1 lb. </li>
  <li> soup - vegetable beef, 3 cans </li>
</ul>
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    <li> hamburger - 80% fat free, 2 lbs. </li>
    <li> orange juice - not from concentrate, 1/2 gallon </li>
    <li> eggs - large, 1 dozen </li>
</ul>
</body>
</html>

```

Exercise 2.8

```

<!DOCTYPE html>
<!-- e2_8.html
     A solution to Exercise 2.8 - a nested, ordered list
-->
<html lang = "en">
<head>
  <title> An Ordered List </title>
  <meta charset = "utf-8" />
</head>
<body>
<h3> My Uncles, Aunts, and Cousins </h3>
<ol>
  <li> Violet Vinelli (my mother) </li>
  <li> Frederick Vinelli
    <ol>
      <li> Mary Vinelli </li>
      <li> Betty Ann Boop </li>
      <li> Bob Vinelli </li>
      <li> Roger Vinelli </li>
    </ol>
  </li>
  <li> Maxine Robinson
    <ol>
      <li> John Robinson </li>
      <li> Patty Robinson </li>
      <li> Lucille Robinson </li>
    </ol>
  </li>
  <li> Thomas Vinelli
    <ol>
      <li> Albert Vinelli </li>
      <li> Alison MacKinsey </li>
      <li> Alton Vinelli </li>
    </ol>
  </li>
</ol>

<ol>
  <li> Albert Alphonso (my father) </li>
  <li> Herbert Alphonso
    <ol>
      <li> Louise Alphonso </li>
      <li> Pam Alphonso </li>
      <li> Fred Alphonso </li>
    </ol>
  </li>
  <li> Ann Marie Predicate
    <ol>
      <li> George Predicate </li>
      <li> Michael Predicate </li>
    </ol>
  </li>
</ol>

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        <li> Darcie Predicate </li>
    </ol>
</li>
<li> Ferdinand Alphonso
    <ol>
        <li> Noah Alphonso </li>
        <li> Leah Alphonso </li>
        <li> Jo Alphonso </li>
    </ol>
</li>
</ol>
</body>
</html>

```

Exercise 2.9

```

<!DOCTYPE html>
<!-- e2_9.html
    A solution to Exercise 2.9 - a simple table
-->
<html lang = "en">
<head>
    <title> A simple table </title>
    <meta charset = "utf-8" />
</head>
<body>
<table>
<caption> Trees </caption>
    <tr>
        <th> </th>
        <th> Pine </th>
        <th> Maple </th>
        <th> Oak </th>
        <th> Fir </th>
    </tr>
    <tr>
        <th> Average Height (feet) </th>
        <td> 55 </td>
        <td> 50 </td>
        <td> 50 </td>
        <td> 65 </td>
    </tr>
    <tr>
        <th> Average Width (inches) </th>
        <td> 18 </td>
        <td> 26 </td>
        <td> 24 </td>
        <td> 28 </td>
    </tr>
    <tr>
        <th> Typical Lifespan (years) </th>
        <td> 150 </td>
        <td> 230 </td>
        <td> 310 </td>
        <td> 135 </td>
    </tr>
    <tr>
        <th> Leaf Type </th>
        <td> Long needles </td>
    </tr>

```

```

        <td> Broadleaf </td>
        <td> Split leaf </td>
        <td> Short needles </td>
    </tr>
</table>
</body>
</html>

```

Exercise 2.10

```

<!DOCTYPE html>
<!-- e2_10.html
     A solution to Exercise 2.10 - a simple table
-->
<html lang = "en">

<head>
  <title> A simple table </title>
  <meta charset = "utf-8" />
</head>
<body>
<table>
<caption> Tree Characteristics </caption>
  <tr>
    <td rowspan = "2" colspan = "2"> </td>
    <th colspan = "4"> Tree </th>
  </tr>
  <tr>
    <th> Pine </th>
    <th> Maple </th>
    <th> Oak </th>
    <th> Fir </th>
  </tr>
  <tr>
    <th rowspan = "4"> Characteristic </th>
    <th> Average Height (feet) </th>
    <td> 55 </td>
    <td> 50 </td>
    <td> 50 </td>
    <td> 65 </td>
  </tr>
  <tr>
    <th> Average Width (inches) </th>
    <td> 18 </td>
    <td> 26 </td>
    <td> 24 </td>
    <td> 28 </td>
  </tr>
  <tr>
    <th> Typical Lifespan (years) </th>
    <td> 150 </td>
    <td> 230 </td>
    <td> 310 </td>
    <td> 135 </td>
  </tr>
  <tr>
    <th> Leaf Type </th>
    <td> Long needles </td>
    <td> Broadleaf </td>

```

```

        <td> Split leaf </td>
        <td> Short needles </td>
    </tr>
</table>
</body>
</html>

```

Exercise 2.17

```

<!DOCTYPE html>
<!-- e2_17.html
     A solution to Exercise 2.17 - a revision of 2.8 with headers
     and footers
-->
<html lang = "en">
<head>
    <title> An Ordered List </title>
    <meta charset = "utf-8" />
</head>
<body>
<header>
    <h2> Bob's Relatives </h2>
    <h3> (Uncles, Aunts, and Cousins) </h3>
</header>
<ol>
    <li> Violet Vinelli (my mother) </li>
    <li> Frederick Vinelli
        <ol>
            <li> Mary Vinelli </li>
            <li> Betty Ann Boop </li>
            <li> Bob Vinelli </li>
            <li> Roger Vinelli </li>
        </ol>
    </li>
    <li> Maxine Robinson
        <ol>
            <li> John Robinson </li>
            <li> Patty Robinson </li>
            <li> Lucille Robinson </li>
        </ol>
    </li>
    <li> Thomas Vinelli
        <ol>
            <li> Albert Vinelli </li>
            <li> Alison MacKinsey </li>
            <li> Alton Vinelli </li>
        </ol>
    </li>
</ol>

<ol>
    <li> Albert Alphonso (my father) </li>
    <li> Herbert Alphonso
        <ol>
            <li> Louise Alphonso </li>
            <li> Pam Alphonso </li>
            <li> Fred Alphonso </li>
        </ol>
    </li>
    <li> Ann Marie Predicate

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```
<ol>
  <li> George Predicate </li>
  <li> Michael Predicate </li>
  <li> Darcie Predicate </li>
</ol>
</li>
<li> Ferdinand Alphonso
  <ol>
    <li> Noah Alphonso </li>
    <li> Leah Alphonso </li>
    <li> Jo Alphonso </li>
  </ol>
</li>
</ol>
<article>
  Family information can be neatly organized using any of several
  available software systems. These systems provide the capability
  of producing tree-structured drawings of the organization of
  a family.
</article>
<footer>
<h4> As of January, 2012 </h4>
</footer>
</body>
```