Criterion C: Development
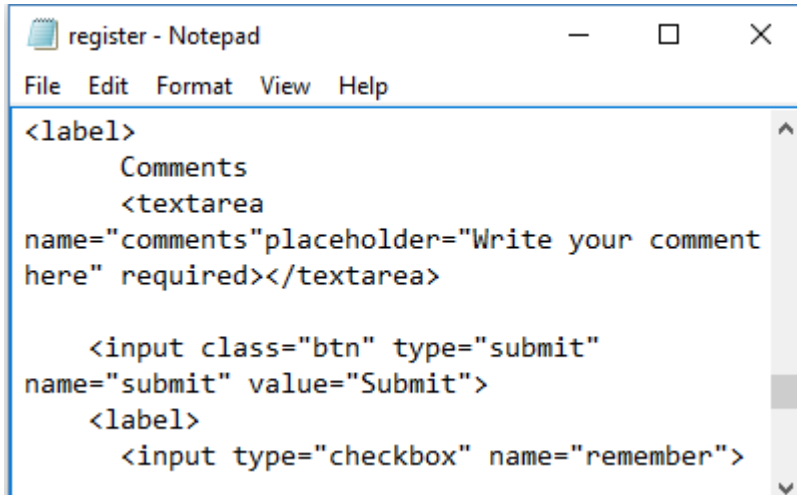
Techniques Used in HTML
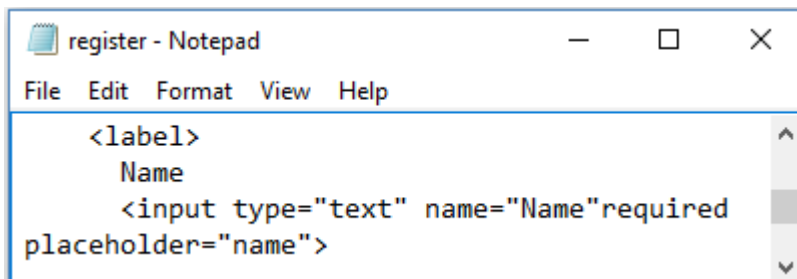
Placeholders: Utilized to Allow the User to Know what type of information to input

```
register - Notepad                    —    □    ×
File  Edit  Format  View  Help
<label>
      Comments
      <textarea
name="comments"placeholder="Write your comment
here" required></textarea>

    <input class="btn" type="submit"
name="submit" value="Submit">
    <label>
      <input type="checkbox" name="remember">
```
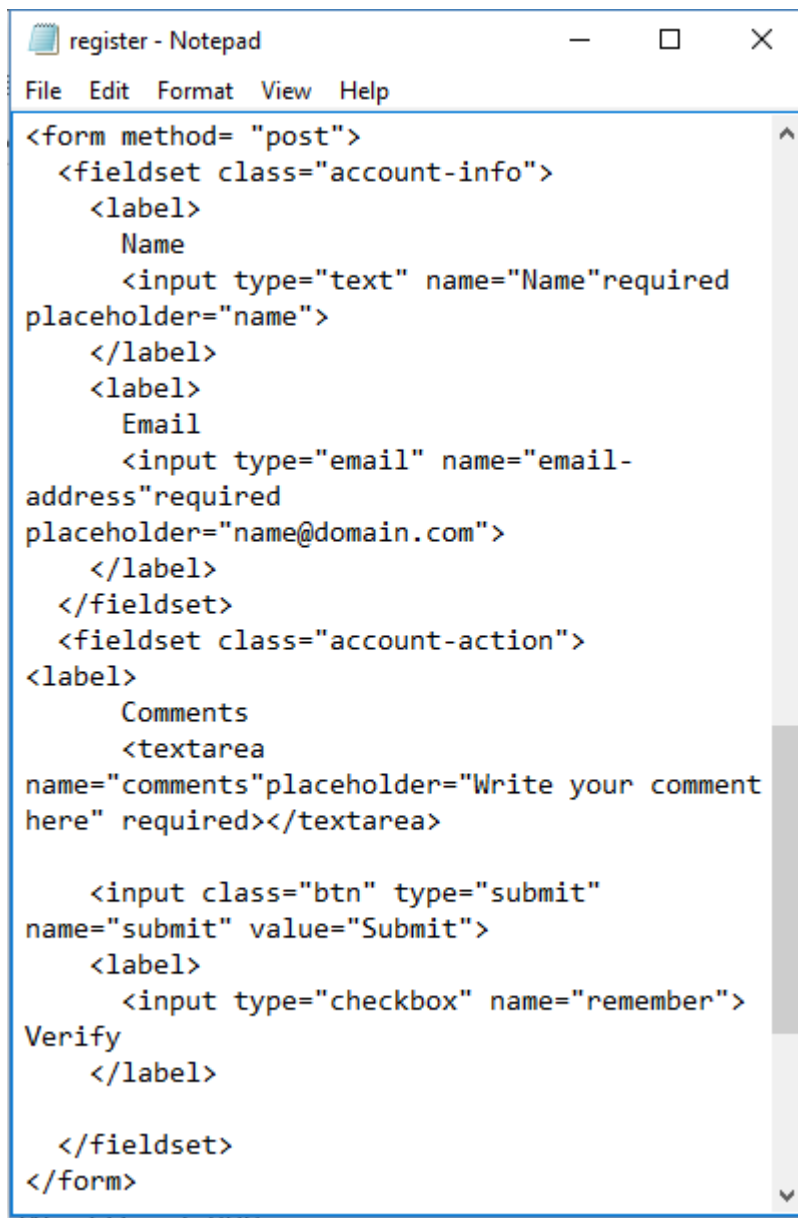
Required Attribute: Prevents the user from advancing without further validation and verification, especially in the case of sensitive and private information. Frequently used for usernames, passwords, and required fields on forms. Name is required before entering a comment to me.
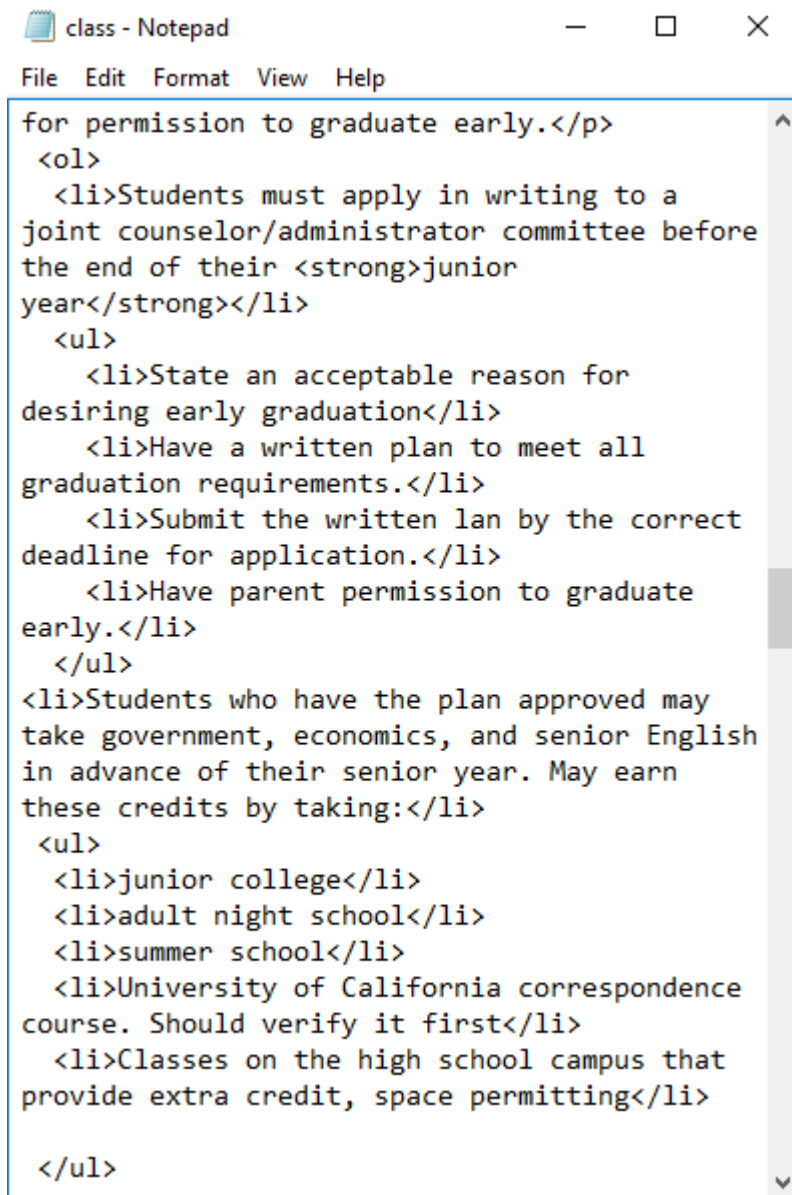
```
register - Notepad                    —    □    ×
File  Edit  Format  View  Help
    <label>
      Name
      <input type="text" name="Name"required
placeholder="name">
```

Form Making

```
register - Notepad                       —    □    ✕

File  Edit  Format  View  Help

<form method= "post">
   <fieldset class="account-info">
      <label>
         Name
         <input type="text" name="Name"required
placeholder="name">
      </label>
      <label>
         Email
         <input type="email" name="email-
address"required
placeholder="name@domain.com">
      </label>
   </fieldset>
   <fieldset class="account-action">
<label>
         Comments
         <textarea
name="comments"placeholder="Write your comment
here" required></textarea>

      <input class="btn" type="submit"
name="submit" value="Submit">
      <label>
         <input type="checkbox" name="remember">
Verify
      </label>

   </fieldset>
</form>
```

Making forms gives the user ability to interact with the administrator and generate new opinions, User input is significant in order to keep the end user satisfied with the final product.
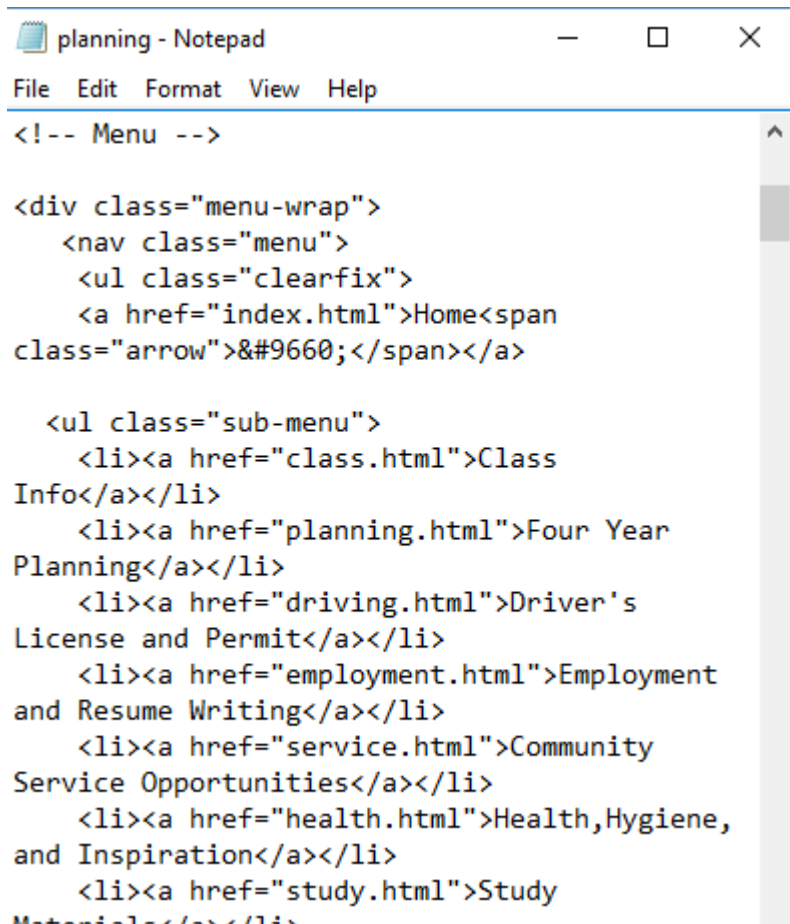
Nested Lists

```
class - Notepad                                    —  □  ✕
File  Edit  Format  View  Help
for permission to graduate early.</p>
 <ol>
  <li>Students must apply in writing to a
joint counselor/administrator committee before
the end of their <strong>junior
year</strong></li>
   <ul>
     <li>State an acceptable reason for
desiring early graduation</li>
     <li>Have a written plan to meet all
graduation requirements.</li>
     <li>Submit the written lan by the correct
deadline for application.</li>
     <li>Have parent permission to graduate
early.</li>
   </ul>
<li>Students who have the plan approved may
take government, economics, and senior English
in advance of their senior year. May earn
these credits by taking:</li>
 <ul>
  <li>junior college</li>
  <li>adult night school</li>
  <li>summer school</li>
  <li>University of California correspondence
course. Should verify it first</li>
  <li>Classes on the high school campus that
provide extra credit, space permitting</li>

 </ul>
```

Nested lists again provide a layout that is easier to read and to the eyes. It helps organize the thoughts and the procedure to gain early graduation.

Div and section classes; They makes it easier to separate the types of the stylistic changes of CSS; by sectioning these parts of a text together, it adds to the stylistic variety that can be chosen, so that one pattern would not apply to all.

```
planning - Notepad                    —    □    ×

File  Edit  Format  View  Help

<!-- Menu -->

<div class="menu-wrap">
   <nav class="menu">
    <ul class="clearfix">
    <a href="index.html">Home<span
class="arrow">&#9660;</span></a>

  <ul class="sub-menu">
     <li><a href="class.html">Class
Info</a></li>
     <li><a href="planning.html">Four Year
Planning</a></li>
     <li><a href="driving.html">Driver's
License and Permit</a></li>
     <li><a href="employment.html">Employment
and Resume Writing</a></li>
     <li><a href="service.html">Community
Service Opportunities</a></li>
     <li><a href="health.html">Health,Hygiene,
and Inspiration</a></li>
     <li><a href="study.html">Study
Materials</a></li>
```
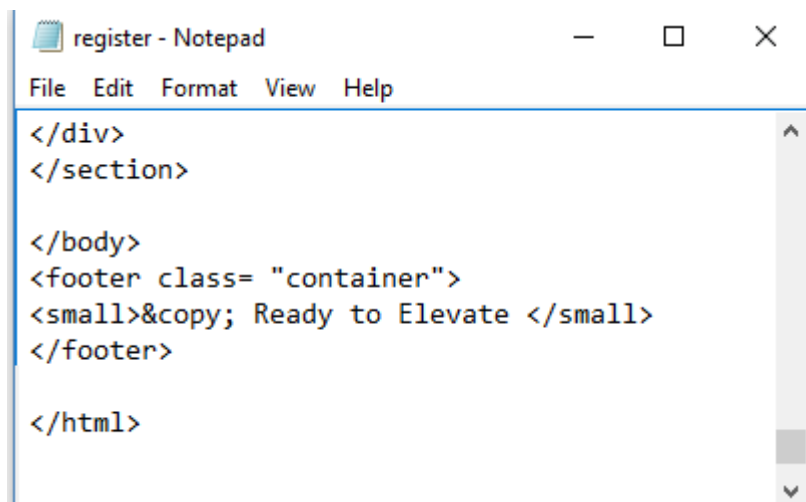
Semantic Header and Footer

```
register - Notepad                    —    □    ×

File  Edit  Format  View  Help

</div>
</section>

</body>
<footer class= "container">
<small>&copy; Ready to Elevate </small>
</footer>

</html>
```
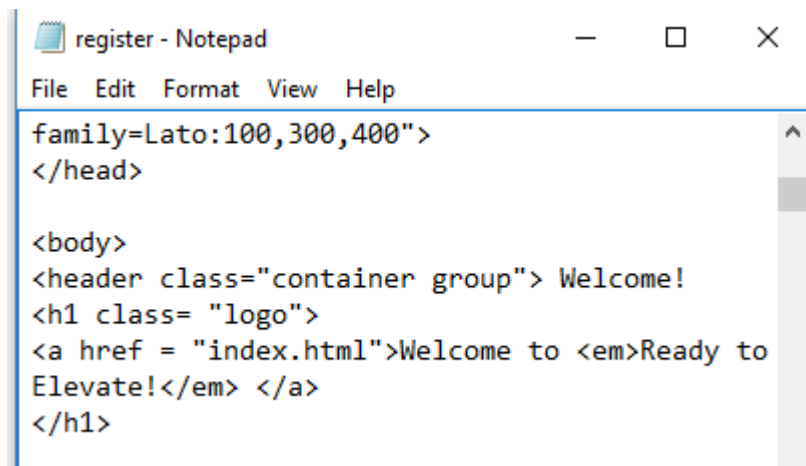
```
register - Notepad

File   Edit   Format   View   Help

family=Lato:100,300,400">
</head>

<body>
<header class="container group"> Welcome!
<h1 class= "logo">
<a href = "index.html">Welcome to <em>Ready to
Elevate!</em> </a>
</h1>
```

Allows one to differentiate the div containers more clearly so in the case of the footer, it was much easier to adjust the appearance of the footer alone instead of differentiating between several div classes.

HTML Tables

```
class - Notepad                    —    □    ✕
File  Edit  Format  View  Help

<table border="1">
  <caption><strong>Pathway Options in High
School</strong></caption>
 <thead>
   <tr>
     <th scope="col">Type</th>
     <th scope="col">Years Offered</th>
     <th scope="col">Prerequisites?</th>
   </tr>
 </thead>
<tbody>
   <tr>
    <td>Regular Classes</td>
    <td>All 4</td>
    <td>None</td>
   </tr>
   <tr>
    <td>Pre-AP/IB Classes</td>
    <td>All 4</td>
    <td>None</td>
   </tr>
   <tr>
    <td>AP Classes</td>
    <td>All 4, freshmen year limited to one AP
class</td>
    <td>Pre-AP recommended, Math concurrent
level for Science classes</td>
   </tr>
   <tr>
```

Tables help visually organize information into neat columns and rows that allow the user to process the ideas much more smoothly. Also much easier than typing the same information again in paragraphs.

HTML Tables combined with Form Making

```
    <th scope="col">Requirement</th>
    <th scope="col">Years</th>
    <th scope="col">Freshmen</th>
    <th scope="col">Sophomore</th>
    <th scope="col">Junior</th>
    <th scope="col">Senior</th>
  </tr>
 </thead>
<tbody>
  <tr>
   <th scope="row">
      A
   </th>
   <td>
   2 years- 1 year of world/culture/historical
geography and 1 year of US history or
Government and Econ
   </td>
   <td>
    <form>
     <input type="checkbox" name="class"
value="AP Human Geography"> History-AP Human
Geography
    </form>
   </td>

   <td>
    <form>
     <input type="checkbox" name="class"
value="World"> History-World <br>(AP, regular)
```

This table not only organizes the information into an easy to read guide, but also allows the user to interact with the interface to determine the number of classes needed to take for each of the four years.

Span attribute

```
<!-- Menu -->

<div class="menu-wrap">
   <nav class="menu">
    <ul class="clearfix">
    <a href="index.html">Home<span
class="arrow">&#9660;</span></a>
```

Allows the adminstrator to stretch out the span or appearance of the tool or menu bar.

ASCII Code Used to Display the Hyphen when it did not show up on the screen

```
<ul>
<li><stro
(a) &#45;
```
, allows the administrator to convey special characters on websites

Text Equivalent for Non Text element- alt when referring to images

```
<img src=
"http://worldartsme.com/images/texas-drivers-
license-clipart-1.jpg" alt="driver's license">
```
,alt gives an alternative name to an item in case it does not appear fully or load on the screen

Width and Height Attributes of Images

```
<img src="images/resume-page-
001.jpg"height="550" width="900">
<img src="images/resume-page-
002.jpg"height="550" width="900">
```

If an image is considered too large or two small these two properties allow an HTML programmer to adjust the size on screen so it does not interrupt the user's experience

Typography (<em>, <strong> , <small>)

```
<em>Here's a link to a more comprehensive
guide to <strong>all you need to know
</strong> about financial aid in CA regarding
the UCs specifically. </em>
```

<em> allows for italics, <strong> allows for bolding, <small> shrinks down the font to about the copyright size- I used small for my footer to credit the source of the website. All three can be used for emphasis.

<u>Techniques used in CSS</u>

<u>Combined with HTML to Create Spacing on the Table</u>
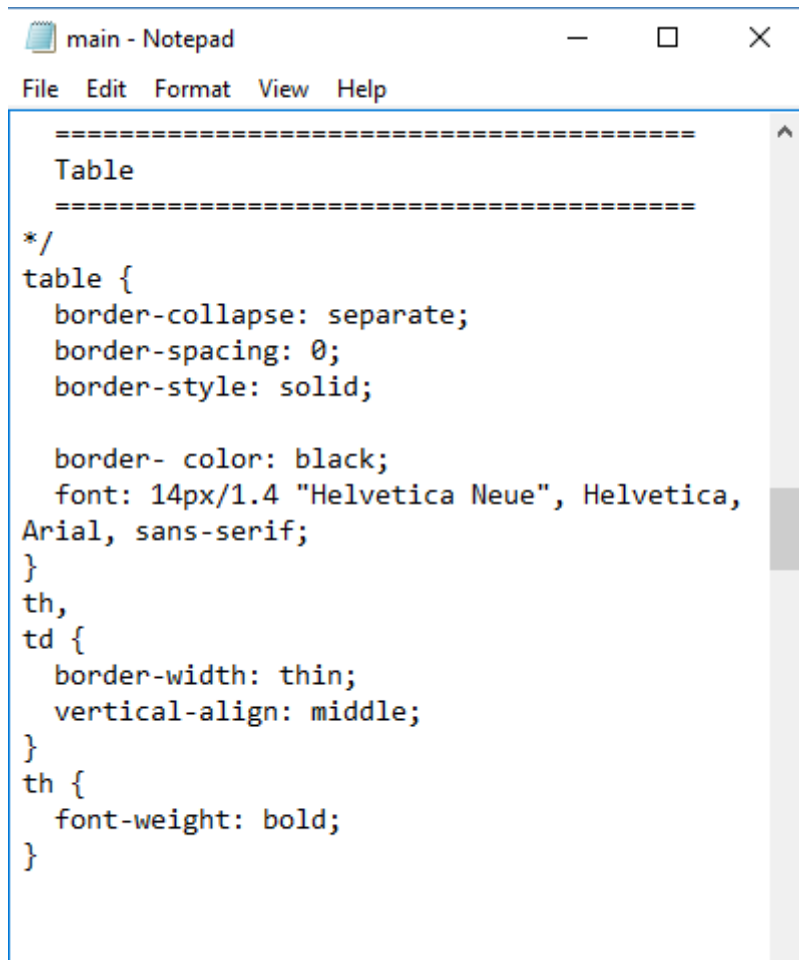
Graphic

Classes Available

All classes could fall under one or more of the A-G requirements to graduate high school. Each of these requirements must be hit. Additionally, there are possible opportunities for earning college credit or moving ahead including dual enrollment at a nearby community college, AP and IB classes, and early graduation.

Pathway Options in High School

Type	Years Offered	Prerequisites?
Regular Classes	All 4	None
Pre-AP/IB Classes	All 4	None
AP Classes	All 4, freshmen year limited to one AP class	Pre-AP recommended, Math concurrent level for Science classes
IB Classes	Junior and Senior Year; some may take SL Spanish early in Sophomore year if they have taken Spanish 1 or 2 early	HL Math highly recommends a 5 on the AP Calc BC exam prior to gaining entry.Science classes urge concurrent math level.

CSS: Table Properties such as - Border Collapse, Border Spacing, Border-width

Utilized as mentioned to create boxing and borders around the textual information.
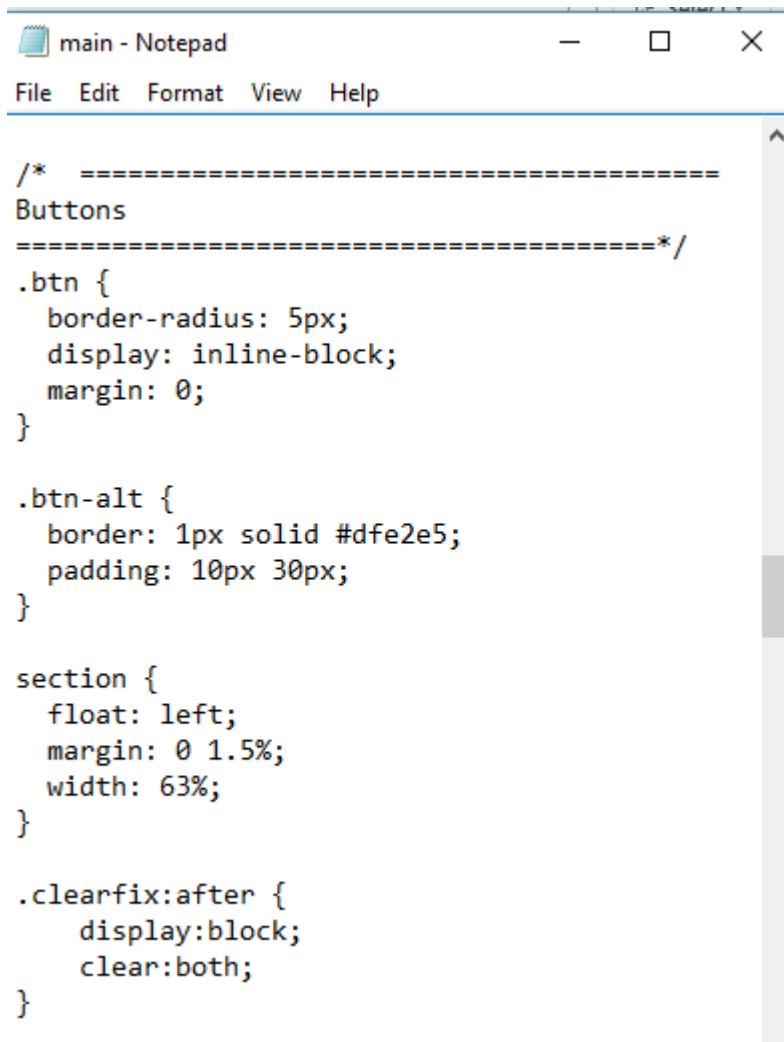
```
=======================================
Table
=======================================
*/
table {
  border-collapse: separate;
  border-spacing: 0;
  border-style: solid;

  border- color: black;
  font: 14px/1.4 "Helvetica Neue", Helvetica,
Arial, sans-serif;
}
th,
td {
  border-width: thin;
  vertical-align: middle;
}
th {
  font-weight: bold;
}
```

Use of the Button element

```
/*  ========================================
Buttons
========================================*/
.btn {
  border-radius: 5px;
  display: inline-block;
  margin: 0;
}

.btn-alt {
  border: 1px solid #dfe2e5;
  padding: 10px 30px;
}

section {
  float: left;
  margin: 0 1.5%;
  width: 63%;
}

.clearfix:after {
    display:block;
    clear:both;
}
```

Specifically, it can be used as a general framework for button size and shape while adding a class to the btn in HTML allows each separate part to gain an attribute or change in positioning.

Word count: 511