# Name: Usama Ejaz CMS: 247644

# Department of Computing

**CS-344: Web Engineering**

**Class:** BESE-9AB

# Lab 03: Advanced HTML

**Date: Oct 29, 2020**

# Instructor: Dr. Qaiser Riaz

# 

# Lab 03: Advanced HTML

### Introduction:

Students have learned advanced HTML concepts of designing web pages using tables and styles. In this lab, student will practically design a web page using these advanced HTML concepts.

### Lab Objectives:

The objective of this lab is to help students in designing the layout of a web page using tables and styles. Students will apply different HTML tags and styling concepts they have learned in the lectures to design the layout of a web page.

### Tools:

Dreamweaver, notepad, browser.

### Helping Material:

Lecture slides.

W3Schools: <https://www.w3schools.com/html/default.asp>

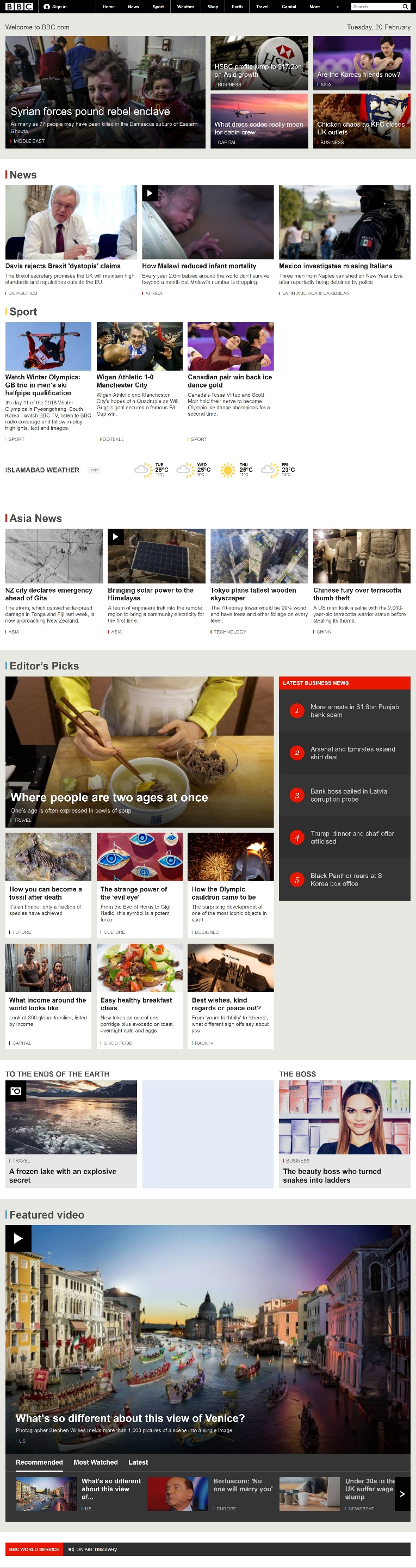
<https://www.w3schools.com/html/html_tables.asp>

Nesting tables examples: <https://www.lehigh.edu/~inwww/seminar/intermediate/tables/table-nest.html>

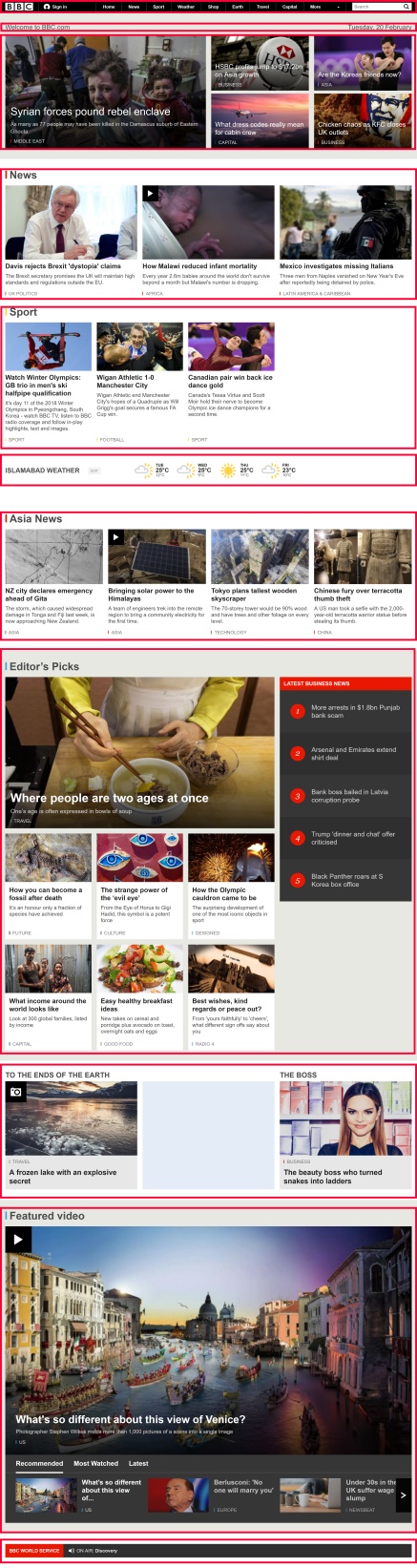
### Lab Task

### Task 1

BBC is one of the famous public broadcasting companies. BBC broadcast news in several ways e.g. television, radio, electronic (via internet) etc. They can be accessed over the internet through their web site: [www.bbc.com](http://www.bbc.com). The layout of this website can be designed using HTML tables. A screenshot of the website is shown below:



When carefully observing this layout, one can easily identify that this design consists of several nested tables. The tables are highlighted in the image below.



**Your Task:**

Design a web page which has similar layout as shown in the above screenshots. Your layout must be based on tables (no divs). You are encouraged to use either internal CSS (using style attribute). You are also encouraged to use different HTML tags we learned so far.

**Hints**

1. Feel free to browse BBC’s website and look into its page source to see how the layout is designed.
2. You can change the color scheme as per your choice.
3. BBC’s website has a menu (More) and a search bar. You can skip both in your layout.
4. You are encouraged to use most of the HTML tags you have learned so far or even new tags, which you can learn from W3Schools.
5. Make good use of HTML colors, fonts, font-family, font-sizes and other styles for the ***look and feel*** of the web page.
6. Make sure to test your website with different resolutions by changing the resolution of your screen.
7. High resolution images of both screenshots can be seen by using zoom in features of MS Word.

**Important:** Upload your html files along with the solution.

|  |
| --- |
| Solution |
| Screenshot of web page  HTML Code  <!DOCTYPE html>  <html>  <head>      <title>          BBC - Homepage      </title>        <style>          .reel {              background-image: linear-gradient(0deg, rgba(0, 0, 0, 0.7), rgba(0, 0, 0, 0.7)), url(images/reel-image-bg.jpg);              min-height: 400px;              background-size: cover;          }          .fplanet {              background-image: linear-gradient(0deg, rgba(0, 0, 0, 0.7), rgba(0, 0, 0, 0.7)), url(images/future-planet.webp);              min-height: 400px;              background-size: cover;          }            .titles {              color: #4a4a4a;              font-size: 24 px;          }          .text {              position: absolute;              z-index: 10;          }          .sec-1 {              width: 100%;              object-fit: fill;          }          .searchwala #search {              border: none;              background: none;              height: 1.846em;              min-height: 24px;              font-weight: bold;              width: 10%;              float: left;              color: #333;              font-weight: bold;          }          .logo {              overflow: hidden;              background-color: black;              width: 15%;              border-left: 1px solid white;              font-size: 20px;              font-family: Arial, Helvetica, sans-serif;          }          .header {              overflow: hidden;              background-color: black;              width: 6.5%;              border-left: 1px solid white;              font-size: 13px;              font-family: Arial, Helvetica, sans-serif;          }          /\* Style the topnav links \*/          .header {              float: left;              display: block;              color: #f2f2f2;              text-align: center;              padding: 14px 16px;              text-decoration: none;          }          /\* Change color on hover \*/          .header:hover {              background-color: #ddd;              color: black;          }      </style>  </head>  <body style="margin:0">      <table style="width: 100%;      background-color: black;">          <tr style="width: 100%;">              <th style="background-color: black;">                  <img src="bbclogo.png" alt="" width="80 px">              </th>              <th class="header">Sign in</th>              <th class="header">Home</th>              <th class="header">News</th>              <th class="header">Sport</th>              <th class="header">Reel</th>              <th class="header">Worklife</th>              <th class="header">Travel</th>              <th class="header">Future</th>              <th class="header">Culture</th>              <th class="header">More</th>              <th background-color: black;">                  <input id="search" type="text" autocomplete="off" autocorrect="off" autocapitalize="off"                      spellcheck="false" maxlength="100" name="q" placeholder="Search">              </th>            </tr>      </table>      <br />      <h2 style="          margin-left: 5%;          float: left;          color: #4A4A4A;          font-size: 22 px;          font-family: Arial, Helvetica, sans-serif;      ">          Welcome to BBC.com      </h2>      <h2 style="          margin-right: 5%;          float: right;          float: clear;          color: #8C8C8C;          font-size: 22 px;          font-weight: lighter;          ">          Thursday, 29 October      </h2>      <br style="float: clear;">      <h2 style="float: clear;"></h2>      <table style="width: 90%;      margin: 5%;">          <tr>              <td rowspan="2" style="width: 50%;">                  <img src="images/new1.jpg" alt="" height="78%" width="100%">              </td>              <td style="width: 25%;">                  <img src="images/new2.jpg" width="100%">              </td>              <td style="width: 25%;">                  <img src="images/new3.webp" alt="" width="100%">              </td>            </tr>          <tr>              <td style="width: 25%;">                  <img src="images/news4.jpg" alt="" width="100%">              </td>              <td style="width: 25%;              height: 50%;">                  <img src="images/news5.jpg" alt="" height="27%" width="100%">              </td>          </tr>        </table>      <h2 style="            margin-left: 5%;          color: #4A4A4A;          font-size: 22 px;          font-family: Arial, Helvetica, sans-serif;          border-left: solid red;          padding-left:10px;      ">          News      </h2>      <table style="width: 90%;      margin: 5%;">          <tr>              <td style="width: 33.3%;">                  <img src="images/news-tab-pic-1.jpg" alt="" width="100%">                  <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">Lockdown returns as Europe confronts second wave</h2>                  <p style="font-family: Arial, Helvetica, sans-serif;                  font-size: 10 px;                  color: #212121;">Two of the continent's biggest economies impose                      strict restrictions amid dire warnings over Covid-19 </p>                  <p style="border-left: 2px solid red;                       padding-left:10px;">Europe</p>              </td>              <td style="width: 33.3%;">                  <img src="images/news-tab-pic-2.jpg" height="54%" width="100%">                  <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">US elections rivals set for duelling Florida rallies</h2>                  <p style="font-family: Arial, Helvetica, sans-serif;                  font-size: 10 px;                  color: #212121;">It's a crucial swing state with recent polls suggesting Trump and Biden are neck-and                      neck there. </p>                  <p style="border-left: 2px solid red;                  padding-left:10px;">US Election 2020</p>              </td>              <td style="width: 33.3%;">                  <img src="images/news-tab-pic-3.jpg" alt="" width="100%">                  <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">The Countdown: So it wasn't Kellyanne </h2>                  <p style="font-family: Arial, Helvetica, sans-serif;                  font-size: 10 px;                  color: #212121;">The lates election drama and what speculation about who wrote the book Anonymous                      really tells us</p>                  <p style="border-left: 2px solid red;                  padding-left:10px;">US Election 2020</p>              </td>            </tr>      </table>      <h2 style="        margin-left: 5%;      color: #4A4A4A;      font-size: 22 px;      font-family: Arial, Helvetica, sans-serif;      border-left: solid yellow;      padding-left:10px;  ">          Sports      </h2>      <table style="width: 90%;  margin: 5%;">          <tr>              <td style="width: 33.3%;">                  <img src="images/sport-tab-pic1.jpg" alt="" width="100%">                  <h2 style="font-family: Arial, Helvetica, sans-serif;              font-size: 20 px;              color: #212121;">Wales and Lions great JJ William dies</h2>                  <p style="font-family: Arial, Helvetica, sans-serif;              font-size: 10 px;              color: #212121;">Legendary Wales, British and Irish Lions and Llanelli wing JJ Williams dies at the age of                      72</p>                  <p style="border-left: 2px solid yellow;                   padding-left:10px;">Europe</p>              </td>              <td style="width: 33.3%;">                  <img src="images/sport-tab-pic2.jpg" height="50%" width="100%">                  <h2 style="font-family: Arial, Helvetica, sans-serif;              font-size: 20 px;              color: #212121;">Hogg & Russel return for Wales clash</h2>                  <p style="font-family: Arial, Helvetica, sans-serif;              font-size: 10 px;              color: #212121;">Captain Stuart Hogg and fly-half Finn Ruseel return to Scotland's starting XV for the                      final Six Nations match against Wales.</p>                  <p style="border-left: 2px solid yellow;              padding-left:10px;">US Election 2020</p>              </td>              <td style="width: 33.3%;">                  <img src="images/sport-tab-pic3.jpg" alt="" width="100%">                  <h2 style="font-family: Arial, Helvetica, sans-serif;              font-size: 20 px;              color: #212121;">England's Hill to make debut against Italy </h2>                  <p style="font-family: Arial, Helvetica, sans-serif;              font-size: 10 px;              color: #212121;">Exeter's double-winning lock Jonny Hill will make his England debut in Saturday's Six                      Nations match against Italy in Rome.</p>                  <p style="border-left: 2px solid yellow;              padding-left:10px;">US Election 2020</p>              </td>            </tr>      </table>      <img style="margin-left:3% ;      width: 94%;      margin-right: 3%;" src="images/weather.JPG" alt="">      <br>      <br>      <br>      <br>      <section class="reel">          <h2 style="font-size: 50px;          color: white;          font-family: Arial, Helvetica, sans-serif;          margin-left: 100px;          padding-top: 40px;          ">              REEL          </h2>          <p style="font-size: 18px;          float: clear;          color: white;          font-family: Arial, Helvetica, sans-serif;          margin-left: 100px;">The most amazing videos from the BBC</p>          <table style="width: 90%;      margin: 5%;      border-spacing: 20px 0;      padding-bottom: 50px;">              <tr>                  <td style="width: 33.3%;              background-color: white;">                      <img src="images/news-tab-pic-1.jpg" alt="" width="100%">                      <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">Lockdown returns as Europe confronts second wave</h2>                  </td>                  <td style="width: 33.3%;              background-color: white;              ">                      <img src="images/news-tab-pic-2.jpg" height="54%" width="100%">                      <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">US elections rivals set for duelling Florida rallies</h2>                  </td>                  <td style="width: 33.3%; 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                 font-size: 20 px;                  color: #212121;">The Countdown: So it wasn't Kellyanne </h2>                  <p style="font-family: Arial, Helvetica, sans-serif;                  font-size: 10 px;                  color: #212121;">The lates election drama and what speculation about who wrote the book Anonymous                      really tells us</p>                  <p style="border-left: 2px solid red;                  padding-left:10px;">US Election 2020</p>              </td>              <td style="width: 25%;">                  <img src="images/news-tab-pic-3.jpg" alt="" width="100%">                  <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">The Countdown: So it wasn't Kellyanne </h2>                  <p style="font-family: Arial, Helvetica, sans-serif;                  font-size: 10 px;                  color: #212121;">The lates election drama and what speculation about who wrote the book Anonymous                      really tells us</p>                  <p style="border-left: 2px solid red;                  padding-left:10px;">US Election 2020</p>              </td>            </tr>      </table>      <!-- <table border="1" style="width: 90%;  margin: 5%;">          <tr style="width:60%;">              <td>                  <img src="editor-pick1.jpg" alt="">              </td>          </tr>          <tr>          </tr>          <tr>          </tr>      </table> -->      <section style="background-color: #f5f5f5;      margin-left: 5%;      margin-right: 5%;">          <section style="padding: 10px;">              <h2 style="                color: #4A4A4A;              font-size: 22 px;              font-family: Arial, Helvetica, sans-serif;              border-left: solid blue;              padding-left:10px;          ">                  Editor's Pick              </h2>          </section>          <table width="100%" style="object-fit: cover;          border-spacing: 10px;" >              <tr>                    <td align="center" valign="center" colspan="3" class="brd">                      <img src="images/editor-pick1.jpg" class="sec-1">                      <br>                      Caption                  </td>                  <td rowspan="4" width="30%" style="vertical-align: top;" class="brd">                      <section style="padding-left: 10px;">                          <img src="images/editor-pick6.jpg" alt="">                      </section>                    </td>              </tr>              <tr>                  <td >                      <img src="images/editor-pick2.jpg" class="sec-1">                      <br>                      <h2>                          The crisis that might outlast Covid-19                      </h2>                      <p>Some beautiful text written here by Usama Ejaz.</p>                  </td>                  <td >                      <img src="images/editor-pick3.webp" class="sec-1">                      <h2>                          What it takes to save stranded dolphins.                      </h2>                      <p>Some beautiful text written here by Usama Ejaz.</p>                      </td>                  <td>                      <img src="images/editor-pick4.jpg" class="sec-1">                      <h2>                          The strange ingredients in vaccines.                      </h2>                      <p>Some beautiful text written here by Usama Ejaz.</p>                  </td>              </tr>              <tr>                  <td >                      <img src="images/editor-pick5.jpg" class="sec-1">                      <h2>                          The real heart of Darkness.                      </h2>                      <p>Some beautiful text written here by Usama Ejaz.</p>                  </td>                  <td>                      <img src="images/news-tab-pic-2.jpg" class="sec-1">                      <h2>                          Light pollution wasted energy seen from space.                      </h2>                      <p>Some beautiful text written here by Usama Ejaz.</p>                  </td>                  <td>                      <img src="images/news-tab-pic-3.jpg" class="sec-1">                      <h2>                          Fundraiser for unwitting borat raises 11,000$.                      </h2>                      <p>Some beautiful text written here by Usama Ejaz.</p>                  </td>              </tr>          </table>      </section>      </table>      </section>      <section class="fplanet">          <br/>          <br/>          <br/><br/>          <span style="color: white;          font-size: 18px;          border: 2px solid #2F8735;          padding: 4px 8px;          font-family: ReithSerif, Times, serif;          font-weight: bold;          line-height: 30px;          margin-left: 100px;          margin-top: 40px;          ">              Future Planet      </span>          <p style="font-size: 18px;          float: clear;          color: white;          font-family: Arial, Helvetica, sans-serif;          margin-left: 100px;">Solutions for a sustainable world.</p>          <table style="width: 90%;      margin: 5%;      border-spacing: 20px 0;      padding-bottom: 50px;">              <tr>                  <td style="width: 33.3%;              background-color: white;">                      <img src="images/news-tab-pic-1.jpg" alt="" width="100%">                      <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">Lockdown returns as Europe confronts second wave</h2>                  </td>                  <td style="width: 33.3%;              background-color: white;              ">                      <img src="images/news-tab-pic-2.jpg" height="54%" width="100%">                      <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">US elections rivals set for duelling Florida rallies</h2>                  </td>                  <td style="width: 33.3%;              background-color: white;">                      <img src="images/news-tab-pic-3.jpg" alt="" width="100%">                      <h2 style="font-family: Arial, Helvetica, sans-serif;                  font-size: 20 px;                  color: #212121;">The Countdown: So it wasn't Kellyanne </h2>                  </td>                </tr>          </table>      </section>     <img style="margin-left: 20%;" src="images/video.JPG" alt="">  </body>  </html> |

### Deliverables

Compile a single word document by filling in the solution part and submit this Word file on LMS. You must include your name, ID, and class on first page. The lab grading policy is as follows: The lab is graded between 0 to 10 marks. For some of the labs, students have to present their solutions in a viva session. In case of any problems with submissions on LMS, you should contact your lab engineer Mr. Aftab Hussain by email at [aftab.hussain1@seecs.edu.pk](mailto:aftab.hussain1@seecs.edu.pk).