# Department of Computing

**CS-344: Web Engineering**

**Class:** BESE-9AB

# Lab 03: Advanced HTML

**Date: Oct 29, 2020**

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**BESE 9A**

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# 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>

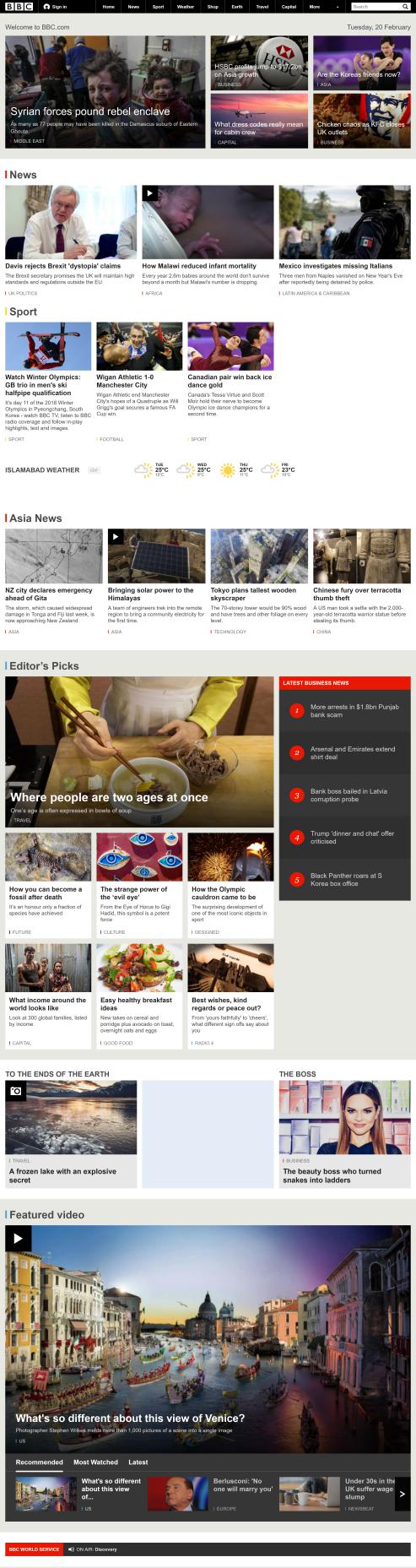
<https://www.w3schools.com/html/html_tables.asp>

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

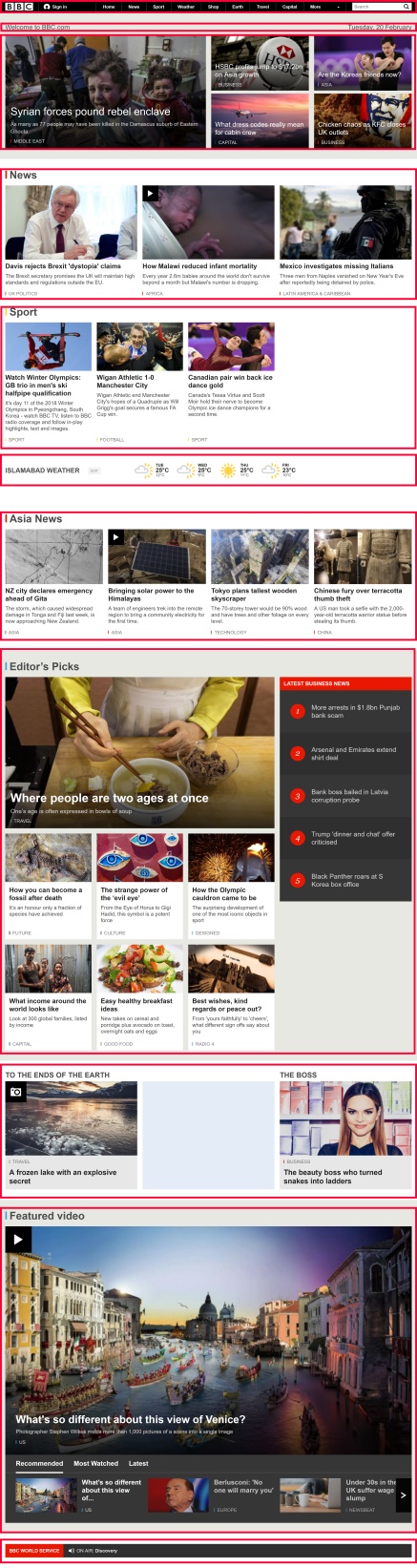
### Lab Task

### 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 rconsists 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**  **Hassaan (1)**  **Hassaan (2)**  **HTML Code**   1. <!DOCTYPE html**>** 2. **<html>** 3. **<head>** 4. **<link** href="https://fonts.googleapis.com/css2?family=Poppins:wght@300&display=swap" rel="stylesheet"**>** 5. **<link** rel="stylesheet" href="path/to/font-awesome/css/font-awesome.min.css"**>** 6. **<script** src="https://use.fontawesome.com/f64a6d12b1.js"**></script>** 7. **<title>**Hassaan Ali Mehmood**</title>** 8. **<style** type="text/css"**>** 9. \*{ 10. font-family: 'Poppins', sans-serif; 11. } 12. .sec-1{ 14. width: 100% 15. } 17. h3{ 18. width: 80%; 19. margin: auto; 20. line-height: 5px; 21. padding: 20px; 22. border-left: 5px solid red; 24. } 26. .brd{ 27. border:1px solid black; 28. } 30. .brd1{ 31. border: 1px solid white; 32. } 34. table { 35. width: 80%; 36. margin:auto; 37. } 38. .sec-3-content{ 39. width: 80%; 40. margin:auto; 41. color: white; 43. } 45. .sec-3{ 46. background:linear-gradient(0deg, rgba(0, 0, 0, 0.7), rgba(0, 0, 0, 0.7)), url(7.jpg); 47. background-size: cover; 49. min-height: 400px;  52. } 54. .sec-3-table{ 55. display: flex; 57. } 59. .sec-3-p{ 60. color: white; 61. font-size: 14px; 62. } 64. .sec-4-p{ 65. color: black; 66. font-size: 14px; 68. } 70. .sec-6{ 71. background:linear-gradient(0deg, rgba(0, 0, 0, 0.7), rgba(0, 0, 0, 0.7)), url(12.jpg); 72. background-size: cover; 74. min-height: 400px; 76. } 78. .centered-thing { 79. width: 80%; 80. margin: 0 auto; 81. background-color: f4f4f4; 82. }   86. **</style>** 87. **</head>** 88. **<body>**  91. <!-- 1st section -->  94. **<section>** 95. **<table** width="80%" border="0px"**>** 96. **<section** style="padding: 5px;"**><h3** style="border-left: none;"**>**Welcome to BBC**</h3></section>** 97. **<tr>** 98. **<td** rowspan="2" width="50%"**>** 99. **<img** src="1.jpg" style="object-fit: fill; width: 100%; "**>** 100. **</td>** 101. **<td>** 102. **<img** src="w.jpg" class="sec-1"**>** 103. **</td>** 105. **<td>** 106. **<img** src="w.jpg" class="sec-1"**>** 107. **</td>**  110. **</tr>** 112. **<tr>** 113. **<td>** 114. **<img** src="w.jpg" class="sec-1"**>** 115. **</td>** 117. **<td>** 118. **<img** src="w.jpg" class="sec-1"**>** 120. **</td>**  123. **</tr>** 124. **</table>** 125. **</section>**  128. <!-- 2nd section --> 130. **<section** **>** 131. **<table** width="80%" style="object-fit: cover;" border="0px"**>** 133. **<tr>**   137. **<td** align="center" valign="center" class="brd"**>** 138. **<img** src="19.jpg" class="sec-1" **>** 139. **<br>** 140. Title of Blog 142. **</td>** 144. **<td** align="center" valign="center" class="brd"**>** 145. **<img** src="19.jpg" class="sec-1"**>** 146. **<br>** 147. Title of Blog 149. **</td>** 151. **<td** align="center" valign="center" class="brd"**>** 152. **<img** src="19.jpg" class="sec-1"**>** 153. **<br>** 154. Title of Blog 156. **</td>**    161. **<td** rowspan="4" width="30%"**>** 162. **<img** src="4.jpg" class="sec-1"**>** 163. **</td>**  166. **</tr>** 168. **<tr>**  171. **<td** align="center" valign="center" class="brd"**>** 172. **<img** src="w.jpg" class="sec-1" **>** 173. **<br>** 174. Title of Blog 176. **</td>** 178. **<td** align="center" valign="center" class="brd"**>** 179. **<img** src="w.jpg" class="sec-1"**>** 180. **<br>** 181. Title of Blog 183. **</td>** 185. **<td** align="center" valign="center" class="brd"**>** 186. **<img** src="w.jpg" class="sec-1"**>** 187. **<br>** 188. Title of Blog 190. **</td>** 192. **</tr>** 193. **<tr>**  196. **<td** align="center" valign="center" class="brd"**>** 197. **<img** src="17.jpg" class="sec-1"**>** 198. **<br>** 199. Title of Blog 201. **</td>** 203. **<td** align="center" valign="center" class="brd"**>** 204. **<img** src="17.jpg" class="sec-1"**>** 205. **<br>** 206. Title of Blog 208. **</td>** 210. **<td** align="center" valign="center" class="brd"**>** 211. **<img** src="17.jpg" class="sec-1"**>** 212. **<br>** 213. Title of Blog 215. **</td>** 216. **</tr>** 218. **<tr>** 219. **<td>** 220. **<img** src="5.gif"**>** 221. **<span** style="vertical-align: top; font-weight: 800"**>**Sat 20 C**</span>** 222. **</td>** 224. **<td>** 225. **<img** src="5.gif"**>** 226. **<span** style="vertical-align: top; font-weight: 800"**>**Sat 20 C**</span>** 227. **</td>** 229. **<td>** 230. **<img** src="5.gif"**>** 231. **<span** style="vertical-align: top; font-weight: 800"**>**Sat 20 C**</span>** 232. **</td>** 233. **</tr>** 234. **</table>**   238. **</section>** 240. <!-- 3rd section --> 241. **<section** style="" class="sec-3"**>**   245. **<section** **>** 246. **<section** class="sec-3-content"**>** 247. **<h2>**REEL**</h2>** 248. **<p>**The most amazing videos from the BBC**</p>** 249. **</section>** 250. **<table** class="sec-3-table"**>** 252. **<tr>**  255. **<td** align="center" valign="center" class="brd1"**>** 256. **<img** src="18.jpg" class="sec-1"**>** 257. **<br>** 258. **<p** class="sec-3-p"**>**Caption**</p>** 260. **</td>** 262. **<td** align="center" valign="center" class="brd1"**>** 263. **<img** src="18.jpg" class="sec-1"**>** 264. **<br>** 265. **<p** class="sec-3-p"**>**Caption**</p>** 267. **</td>** 269. **<td** align="center" valign="center" class="brd1"**>** 270. **<img** src="18.jpg" class="sec-1"**>** 271. **<br>** 272. **<p** class="sec-3-p"**>**Caption**</p>** 274. **</td>**  277. **</tr>** 279. **</table>** 280. **</section>** 282. **</section>** 284. <!-- section 4 --> 286. **<section>** 287. **<section** style="padding: 10px;"**><h3** class="h-border"**>**Asia News**</h3></section>** 289. **<table>** 291. **<tr>**  294. **<td** align="center" valign="center" class="brd"**>** 295. **<img** src="8.jpg" class="sec-1"**>** 296. **<br>** 297. **<p** class="sec-4-p"**>**Caption**</p>** 299. **</td>** 301. **<td** align="center" valign="center" class="brd"**>** 302. **<img** src="8.jpg" class="sec-1"**>** 303. **<br>** 304. **<p** class="sec-4-p"**>**Caption**</p>** 306. **</td>** 308. **<td** align="center" valign="center" class="brd"**>** 309. **<img** src="8.jpg" class="sec-1"**>** 310. **<br>** 311. **<p** class="sec-4-p"**>**Caption**</p>** 313. **</td>** 314. **</tr>** 315. **</table>** 316. **</section>**  319. <!-- 5th section -->  322. **<section** style="background-color: #f5f5f5"**>** 324. **<section** style="padding: 10px;"**><h3>**Editor's Picks**</h3></section>** 325. **<table** width="80%" style="object-fit: cover;" border="0px"**>** 327. **<tr>**   331. **<td** align="center" valign="center" colspan="3" class="brd"**>** 332. **<img** src="9.jpg" class="sec-1"**>** 333. **<br>** 334. Caption 336. **</td>** 338. **<td** rowspan="4" width="30%" style="vertical-align: top;" class="brd"**>** 339. **<section** style="padding: 10px;"**><h4>**Latest Business News**</h4></section>** 340. **<ol>** 341. **<li>** 342. Us tries to block first African head of WTO 343. **</li>** 344. **<li>** 345. Us tries to block first African head of WTO 346. **</li>** 347. **<li>** 348. Us tries to block first African head of WTO 349. **</li>** 350. **</ol>** 351. **</td>**  354. **</tr>** 356. **<tr>**  359. **<td** align="center" valign="center" class="brd"**>** 360. **<img** src="10.jpg" class="sec-1" **>** 361. **<br>** 362. Caption 364. **</td>** 366. **<td** align="center" valign="center" class="brd"**>** 367. **<img** src="10.jpg" class="sec-1"**>** 368. **<br>** 369. Caption 371. **</td>** 373. **<td** align="center" valign="center" class="brd"**>** 374. **<img** src="10.jpg" class="sec-1"**>** 375. **<br>** 376. 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BBC World Service 522. **</td>** 524. **<td** style="color: white; background-color: black; border-collapse: collapse; padding: 5px" **>** 525. **<span><i** class="fas fa-volume-up"**></i>** ON AIR : Newsday**</span>** 526. **</td>** 527. **</tr>**  530. **</table>** 531. **</section>**  534. <!-- section 8 -->  537. **<section** style="background-color: #f5f5f5"**>** 539. **<section** style="padding: 10px;"**><h3** class="h-border"**>**More around the BBC**</h3>**  542. **<table** width="80%" style="object-fit: cover;" border="0px"**>** 544. **<tr>** 545. **<td** rowspan="4" width="30%" style="vertical-align: top;" class="brd"**>** 546. **<h4** style="background-color: red ; color: white"**>**From our Correspondence**</h4>** 547. **<ol>** 548. **<li>** 549. Us tries to block first African head of WTO 550. **</li>** 551. **<li>** 552. Us tries to block first African head of WTO 553. **</li>** 554. **<li>** 555. 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Caption 620. **</td>**  623. **</tr>** 625. **</table>** 627. **</section>** 629. **</table>** 631. **</section>**  634. <!--     Section 9 --> 635. **<section>**  638. **<table>** 640. **<tr>** 642. **<section** style="padding: 10px;"**>** **<h3>**New Technology**</h3></section>** 643. **<td** align="center" valign="center" class="brd"**>** 645. **<img** src="17.jpg" class="sec-1"**>** 646. **<br>** 647. **<p** class="sec-4-p"**>**Caption**</p>** 649. **</td>** 651. **<td** align="center" valign="center" class="brd"**>** 652. **<img** src="17.jpg" class="sec-1"**>** 653. **<br>** 654. **<p** class="sec-4-p"**>**Caption**</p>** 656. **</td>** 657. **</tr>**  660. **</table>** 661. **</section>**  664. <!-- section 10 --> 666. **<section** style="background-color: #f5f5f5;"**>**  669. **<table>** 671. **<tr>** 673. **<section** style="padding: 10px;"**><h3>**New Technology**</h3></section>** 674. **<td** align="center" valign="center" class="brd"**>** 676. **<img** src="16.jpg" class="sec-1"**>** 677. **<br>** 678. **<p** class="sec-4-p"**>**Caption**</p>** 680. **</td>** 682. **<td** align="center" valign="center" class="brd"**>** 683. **<img** src="16.jpg" class="sec-1"**>** 684. **<br>** 685. **<p** class="sec-4-p"**>**Caption**</p>** 687. **</td>** 689. **</tr>**  692. **</table>** 694. **<table>** 696. **<tr>**  699. **<td** align="center" valign="center" class="brd"**>** 700. **<img** src="15.jpg" class="sec-1"**>** 701. **<br>** 702. **<p** class="sec-4-p"**>**Caption**</p>** 704. **</td>** 706. **<td** align="center" valign="center" class="brd"**>** 707. **<img** src="15.jpg" class="sec-1"**>** 708. **<br>** 709. **<p** class="sec-4-p"**>**Caption**</p>** 711. **</td>** 713. **<td** align="center" valign="center" class="brd"**>** 714. **<img** src="15.jpg" class="sec-1"**>** 715. **<br>** 716. **<p** class="sec-4-p"**>**Caption**</p>** 718. **</td>**  721. **</tr>**  724. **</table>** 725. **</section>** 727. <!-- last section --> 728. **<section** style="background-color: black"**>** 729. **<p** align="center" style="color: white ; font-size: 12px ; line-height: 40px"**>**Copyright © 2020 BBC. The BBC is not responsible for the content of external sites. Read about our approach to external linking.**</p>** 730. **</section>**       738. **</body>** 739. **</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).