# Department of Computing

**CS-344: Web Engineering**

**Class:** BESE-9AB

# Lab 03: Advanced HTML

**Date: Oct 29, 2020**

**Hassaan Ali Mehmood**

**BESE 9A**

**264947**

# 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>

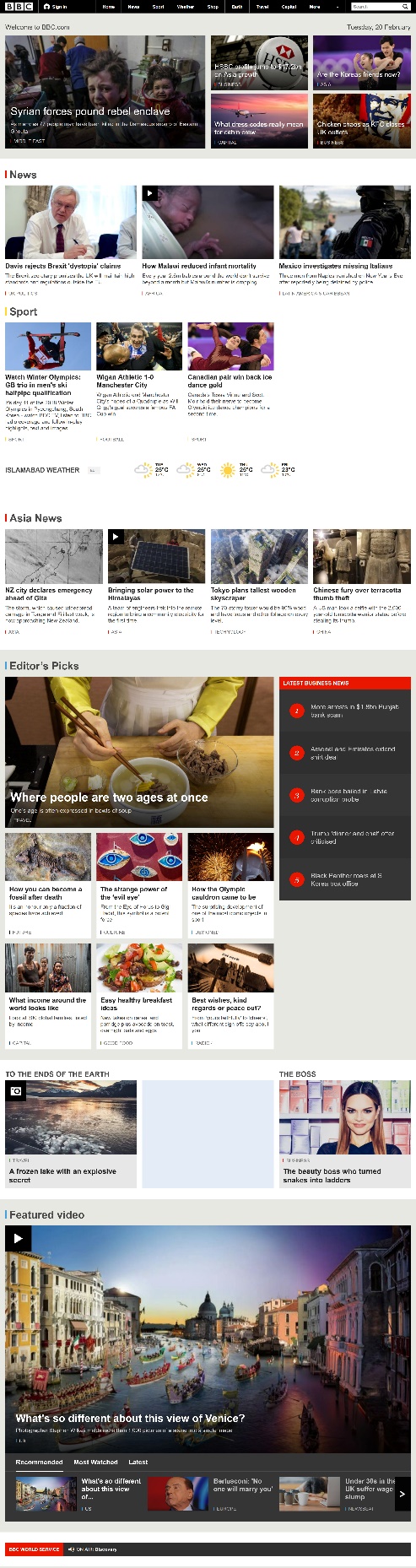
<https://www.w3schools.com/html/html_tables.asp>

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

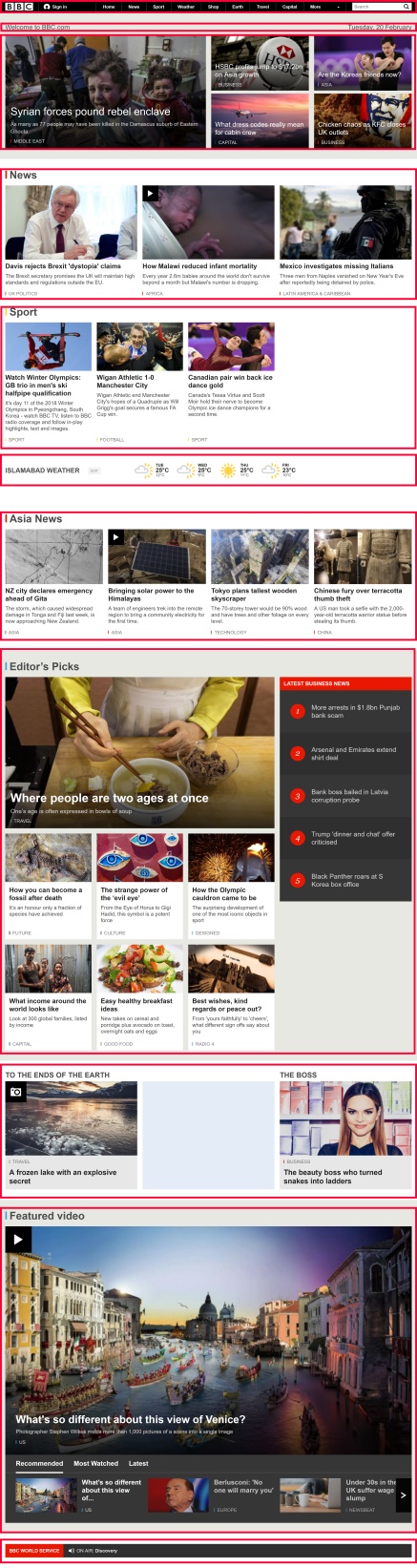
### Lab Task

### 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. Caption 378. </td>  381. </tr>  384. <tr>  387. <td align="center" valign="center" class="brd"> 388. <img src="11.jpg" class="sec-1"> 389. <br> 390. Caption 392. </td> 394. <td align="center" valign="center" class="brd"> 395. <img src="11.jpg" class="sec-1"> 396. <br> 397. Caption 399. </td> 401. <td align="center" valign="center" class="brd"> 402. <img src="11.jpg" class="sec-1"> 403. <br> 404. Caption 406. </td>  409. </tr> 411. </table> 413. </section> 415. </table> 417. </section>  420. <!-- section 6 --> 422. <section style="" class="sec-6"> 424. <section > 425. <section class="sec-3-content"> 426. <h2>Future Planet</h2> 427. <section style="padding: 10px;"><p>Solutions for a sustainable world</p></section> 428. </section> 429. <table class="sec-3-table"> 431. <tr>  434. <td align="center" valign="center" class="brd1"> 435. <img src="14.jpg" class="sec-1"> 436. <br> 437. <p class="sec-3-p">Caption</p> 439. </td> 441. <td align="center" valign="center" class="brd1"> 442. <img src="14.jpg" class="sec-1"> 443. <br> 444. <p class="sec-3-p">Caption</p> 446. </td> 448. <td align="center" valign="center" class="brd1"> 449. <img src="14.jpg" class="sec-1"> 450. <br> 451. <p class="sec-3-p">Caption</p> 453. </td>  456. </tr> 458. </table> 459. </section> 461. </section> 463. <!-- 464. section 7 --> 466. <section> 467. <section style="padding: 10px;"><h3>Asia News</h3></section> 469. <table> 471. <tr>  474. <td align="center" valign="center" class="brd"> 475. <img src="15.jpg" class="sec-1"> 476. <br> 477. <p class="sec-4-p">Caption</p> 479. </td> 481. <td align="center" valign="center" class="brd"> 482. <img src="15.jpg" class="sec-1"> 483. <br> 484. <p class="sec-4-p">Caption</p> 486. </td> 488. <td align="center" valign="center" class="brd"> 489. <img src="15.jpg" class="sec-1"> 490. <br> 491. <p class="sec-4-p">Caption</p> 493. </td>  496. </tr>  499. </table> 500. </section>  503. <section style="background-color: #f5f5f5;"> 504. <section style="padding: 10px;"><h3>Featured Video</h3></section> 505. <section class="centered-thing" >   509. <iframe width="100%" height="550" 510. src="https://www.youtube.com/embed/tgbNymZ7vqY?"> 511. </iframe> 512. </section>  515. </section> 517. <section> 518. <table> 519. <tr> 520. <td width="20%" style="color: white; background-color: red; padding: 5px"> 521. 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. Us tries to block first African head of WTO 556. </li> 557. </ol> 558. </td>   562. <td align="center" valign="center" colspan="3" class="brd"> 563. <img src="9.jpg" class="sec-1"> 564. <br> 565. Caption 567. </td>  570. </tr> 572. <tr>  575. <td align="center" valign="center" class="brd"> 576. <img src="10.jpg" class="sec-1" > 577. <br> 578. Caption 580. </td> 582. <td align="center" valign="center" class="brd"> 583. <img src="10.jpg" class="sec-1"> 584. <br> 585. Caption 587. </td> 589. <td align="center" valign="center" class="brd"> 590. <img src="10.jpg" class="sec-1"> 591. <br> 592. Caption 594. </td> 596. </tr> 598. <tr>  601. <td align="center" valign="center" class="brd"> 602. <img src="11.jpg" class="sec-1"> 603. <br> 604. Caption 606. </td> 608. <td align="center" valign="center" class="brd"> 609. <img src="11.jpg" class="sec-1"> 610. <br> 611. Caption 613. </td> 615. <td align="center" valign="center" class="brd"> 616. <img src="11.jpg" class="sec-1"> 617. <br> 618. 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).