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| Module Name and Code | **Web Technologies 4BUIS011C** |
| CW Weighting | 60% |
| Lecturer setting the task with contact details and office hours | Subair Ali  Off Hours: Mon 14:00-15:00, Thu 11:00-12:00  Mail: [sliayakath@wiut.uz](mailto:sliayakath@wiut.uz) |
| Submission deadline | 21.11.2019 |
| Results date and type of feedback | 05.12.2019 (Written feedback) |
| **The CW checks the following learning outcomes:** | |
| 1. Develop a front-end (presentation layer) of the website satisfying a simple specification 2. Discuss the planning and development process 3. Create several linked HTML documents, following certain style guidelines. 4. Incorporate Java Script and CSS to create interactive and dynamic documents 5. Select and use a website construction tools | |

**Task**

This is an individual course work. You need to create front-end (presentation layer) of the website from the list below and write a brief report, that covers the development process.

You can choose a company/organization/Institution/direction for which you will create a front-end of the website from the following list:

* Online Shopping (You can display Product Categories, Images of each products, Price, etc.,)
* Online Air Ticket booking services (You have to create to choose flight, availability of flights, date of departure and return, destination point, etc.,)
* Online Job Search Engine (You can create with Job Category, Services Option, Register and Login button, etc.,)
* Online Tutorials (You can choose from various categories of tutorials and watch. The page must include minimum 3 tutorials at least)
* Build Online Quiz Program (You can create a Quiz web page with maximum 5 number of questions)
* Employee Management System (The page should include Employee ID, Employee Name, Designation, Date of Joining, Address, Date of Birth, Place, etc.,)
* Student Management System (You can create your own system for students with Student ID, Student Name, Course, Date of Birth, Blood Group, Phone Number, etc.,)
* Online Hospital Management System (You can create your own system for patients with Patient ID, Patient Name, Date of Birth, Blood Group, Type of Disease, Phone Number, etc.,)
* Online Pizza Ordering System (You have to create a page with Type of Pizza, Price, Quantity, etc.,)
* Sports Event Management System (Create a page for any type of game with appropriate details)
* E-Banking System (The page should include at least two links minimum like Deposit Money, Withdraw Money, etc.,)

**Detailed description of the task**

1. Write a brief report – **20 Marks**

The description of the report is given below and you should follow its structure exactly as it is given

* **Audience Profile** – An explanation of your main target audience **(10 Marks)**
  + The details of targeted audience should be relevant to your task. Text is not difficult to make any meaning from. **(5 Marks)**
  + Shows effective details of targeted audience. Provides some appropriate information about why and for what particular audience has been targeted. **(5 Marks).**
* **Functions and Features** – Detailed description of the functionality you have developed for your project. Do not include your future plan related to your document **(10 Marks)**
  + Step by step explanations of your project functionality about how it works. **(5 Marks)**
  + List out the features of your project **(5 Marks)**

The recommended length of report is 700 words.

This is your responsibility to put report of CW through the Turn-it-in anti-plagiarism software before submission.

1. Develop front-end (presentation layer) of the website – **70 Marks**
2. The front-end should have at least 3 responsive pages with different HTML page structures. Check links (<https://www.w3schools.com/html/html_intro.asp>, <https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/Document_and_website_structure>) for further information about HTML page structure. **(20 Marks)**
3. The front-end should include these elements and functionality:

* Formatted text, images (appropriate referenced), table, forms, links to external resources, link to your coursework report in .pdf format, visual effects of CSS **(20 Marks)**
* Java Script functions for dynamically generating elements (tables, lists, etc.,) with data. All variables and functions should have meaningful names and follow Java Script coding convention (<https://www.w3schools.com/js/js_conventions.asp>,
* (<https://www.w3schools.com/js/js_best_practices.asp>) **(20 Marks)**
* Java Script for visual effects. **(10 Marks)**

1. Publish your website online using free (or other) web hosting services and clearly indicate the URL of your website in the report **(10 Marks)**

**Important! Make sure you reference all borrowed content. In addition, your home page must include: This web site was created to fulfill Web Technologies module’s requirements and does not represent actual company or service.**

**You can use CSS (Bootstrap, Bulma, etc.,) or JS (JQuery) libraries to style and make your pages dynamic but you are not allowed to use templates. If template are used, 20% of overall mark will be deducted.**

**Check that the CW has a standard cover page, table of contents, page number and bibliography. Your name should not appear on the cover page or anywhere else. Put your ID number on the cover page and on every other pages.**

**Document Format:**

1. Word-processed Times New Roman/Arial 12 double-space and printed single-sided on A4 paper.
2. The cover sheet should state your ID number, module title and marker’s name.
3. Include a contents page giving the headings and page numbers of each section.
4. Pages should be numbered.
5. Word-count must be included on the cover page (do not include attachments and bibliography in the word-count).
6. Please do not submit any loose pages.
7. Use Harvard method of referencing.

**Submission Requirements:**

Submit the usual hard copy of report together with CD (indicate your ID on the cover side) with website files to the designated place to the WIUT Registrar’s Office.

An electronic version of your course work must be submitted through Intranet System. To do so you need to follow these steps:

* Zib your files (Report file and website files)
* **Always save the file as follows - Modulename.NumberofCW.IDnumber**

**Example - WT.CW1.467**

* Go to web Technologies module page and on the right pane you can find Web Technologies course work link. Click on it. It will direct you to the coursework page.
* On the course work page you can see Submit Assignment link. Attach appropriate files and click submit.

**General Notes:**

Please ensure that you work individually on this course work. **Plagiarism and close collaboration will not be tolerated** and it will be considered an assessment offence. According to Essential Information Handbook of Academic Regulations, any students may be invited for oral viva. (Please, see the regulations for full details)

**Assessment Criteria:**

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| **Range** | **Description** |
| **90+** | Work would be worth of dissemination under appropriate conditions. Mastery of advanced methods and techniques at a level beyond that explicitly taught. Ability to synthesize and employ in an original way ideas from across the subject. |
| **80 – 89** | Excellent range and depth of attainment of intended learning outcomes. Mastery of a wide range of methods and techniques. Evidence of study and originality clearly beyond the bounds of what has been taught. |
| **70 – 79** | Everything is correct and clearly explained. A lot of work has gone into the development of the web site, good use of additional technologies. Use of extra functions and features. Shows very advanced use of web programming languages with interactions between them. |
| **60 – 69** | Everything is correct but the evaluation is not very clear. Quite a lot of work on the development of the site. Good use of extra features and functionalities. Shows advanced understanding of web programming languages. |
| **50 – 59** | Reports covers the description of major points. A fair amount of work has gone into the development of the web site. An attempt has been made to add extra features and functionalities to the website. Shows an intermediate understanding of web programming languages. |
| **40 – 49** | Most of the sections are minimally covered. Overall lack of analysis and justification appeared through the report. Adequate clarity and focus on requirements and objectives. Enough work has gone into the development of the site. Moderate use of web technologies. Shows an understanding of web programming languages. |
| **30 – 39** | Poor report. Attainment of nearly all the intended learning outcomes deficient. Lack of ability to use at all or the right methods and techniques taught. Inadequately and incoherently presented. Lack of understanding of the issues and concepts underlying the techniques and material taught. |
| **0 - 29** | Poor or missing report almost nothing discussed or no significant assessable material. |

**Marking Scheme:**

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| **4BUIS011C – Web Technologies** | |
| **Maximum**: **100 Marks** | |
| **Report** | **20** |
| **Audience Profile** | **10** |
| **Functions and Features** | **10** |
| **Front-end (Presentation Layer)** | **70** |
| **Responsive design for 3 pages**   * Header, body, footer areas are clearly visible – 5 Marks * Responsive – 15 Marks * Not responsive – 2 Marks | **20** |
| **Technical Elements**   * Text formatting - 3 Marks * Images are properly referenced and not distorted – 3 Marks * Table is provided for the tabular data – 3 Marks * Links to external resources – 2 Marks * Link to report in .doc – 1 Mark * Visual elements on CSS – 8 Marks | **20** |
| **Java Script for dynamic element generation**   * Working and purpose is clear – 17 Marks * Code explanation is provided in comments – 3 Marks | **20** |
| **Java Script for visual effects**   * Working and purpose is clear – 7 Marks * Code explanation is provided in comments – 3 Marks | **10** |
| **Hosting** | **10** |