

**SCHOOL OF ENGINEERING AND TECHNOLOGY**

**FINAL ASSESSMENT FOR THE**

**BSC (HONS) COMPUTER SCIENCE**

**BSC (HONS) INFORMATION TECHNOLOGY**

**BSC (HONS) INFORMATION SYSTEMS**

**BIS (HONS) IN MOBILE COMPUTING WITH ENTREPRENEURSHIP**

**BSC (HONS) SOFTWARE ENGINEERING**

**BA (HONS) ENTREPRENEURSHIP**

**ACADEMIC SESSION : APRIL 2024 SEMESTER**

**SUBJECT : WEB1201 / WEB2014 WEB FUNDAMENTALS**

**RELEASE DATE : 1 JULY 2024 00:00 MYT**

**SUBMISSION DATE : 1 AUGUST 2024 23:59 MYT**

**Description**

* This is a group project with group and individual submissions.
* Each group should consist of 3 or 4 members.
* The total marks for this is 100 marks. This assignment carries a weightage of 50% of your total assessment marks.
* Plagiarism, copying, and collusion is strictly prohibited.

**Instructions**

* Read the description of the assignment given below carefully.
* Based on the website design plan submitted in the first part of the group assignment, you are to develop the website using HTML, CSS, and JavaScript.
* Group submission:
  + Prepare a report on your team’s website development using any document processing software such as MS Word.
  + The report should include an Appendix of meeting records and activity logs (further details on page 11).
  + A 5-minute video presentation showcasing the website.
* Individual submission:
  + Prepare a one-page (equivalent to about 500-words) reflection statement on your individual learning experience and insight from building (i.e., design and development) the website.
* Upload the softcopy of your report and reflection in MS Word via the submission link in eLearn.
* Upload all HTML, CSS, and JavaScript files pertaining to the website in a zipped file via the submission link on eLearn.
* Upload the video presentation in mp4 via the submission link on eLearn.

**Description of Assignment**

Based on the website design plan submitted in the first part of the group assignment, you are to develop the website using HTML, CSS, and JavaScript. You are only allowed to use your own HTML, CSS, and JavaScript. You are not to import any HTML, CSS, or JavaScript, including frameworks. Failure to adhere to this instruction will result in no marks being awarded.

Include the following in your website:

1. HTML for the website design and layout.
2. CSS for the website styling and colour.
3. Usability of the website such as labels, textboxes, dropdown lists, buttons, links, and navigations.
4. (Optional) HTML tables and multimedia objects.
5. A form that can be used for contact. You may insert this in the Contact Us page. You will have to validate the form by using JavaScript. You can decide on how the errors should be displayed to the user.
6. A sign-up function and a log in function. You can decide on how to show that a user has successfully log in.
7. Has no issues with scaling or layout on different viewport sizes and cross-browser compatible.

You will only need to include the functionalities mentioned above. Anything else is not necessary, and you can leave them as dummy fields or dummy buttons. For example, you can include a dummy search bar into your website if you think it is necessary, but you are not required to implement the search function. If you are working on an e-commerce website, you are not required to complete the add to shopping cart function and the function to calculate the total price, but the relevant pages must be present.

**Group Submission**

1. Prepare a group report that consists of the following sections:

| Section | Description |
| --- | --- |
| Introduction | Provide an overview description of the website, including the objectives, scope, and the chosen theme or topic for the website. |
| Design Concept | Explain the design concept and rationale behind the visual appearance and layout of the website. Discuss how the design choices align with the target audience and the overall goals of the project. If there are any changes to your initial design submitted, explain and justify. |
| Challenges and Solutions | Describe any challenges or obstacles encountered during the project and the solutions implemented to overcome them. Discuss how the team addressed issues related to design, functionality, compatibility, or teamwork. |
| Implementation and Results | Provide explanations and screenshots of test cases and the test results. |
| References | If you have any references, provide the list in this section. Please use APA referencing style. |
| Appendix | Include meeting records and activity logs in this section. |

1. A 5-minute video presentation:
   * To show the layout of the website under different viewport sizes.
   * To show that all functionalities work as intended.

**Individual Submission**

Prepare a one-page (equivalent to about 500-words) reflection statement on your individual learning experience and insight from building (i.e., design and development) the website.

**Peer Evaluation**

The main aim for this peer evaluation is to improve team working skills and not victimising particular individuals. Perform your evaluations honestly, and please do so in the spirit of learning and continuous improvement. This evaluation is confidential and should not be shared nor discussed with your group members. You are to evaluate your group members based on the following sections.

| Section | Description |
| --- | --- |
| Cooperation and Commitment | Level of enthusiasm/participation, helping the group to function well as a team, organizing the group and ensuring things got done, performing tasks efficiently, performing routine tasks, keeping the group going, particularly in difficult situations. Attends meetings punctually & meets group deadlines. |
| Communication | Able to motivate, encourage, direct or delegate effectively Clear presentation of ideas, paying attention to both non-verbal and verbal language. Proofreads work and elicit comments from others. |
| Contribution | Contribution to group’s learning experience: suggesting ideas, understanding what was required, working with fellow members who needed help & showed initiative. |

For each section, give an honest score from 0 to 5 for your fellow group members in accordance with the following criteria below. Bear in mind that giving everyone 5 marks will not be accepted.

0 = no contribution or participatio**n** to the project

1 = a hindrance to the group in this respect

2 = no help at all in this respect

3 = not as good as most of the group in this respect

4 = about average for the group in this respect

5 =Best/idealand exemplarygroup member

Following numerical ratings of each section, provide your qualitative evaluation to justify the marks. Your lecturer will award group marks at his or her own discretion. Failure to submit the peer assessment will result in a 15% deduction from the individual. Submit your evaluation via the submission link on eLearn.

**Marking rubric**

The group report and video are marked upon a total of 100 marks (split 80:20 respectively between the report and video) with a 30% contribution to the assessment. The website is marked upon a total of 100 marks with a 40% contribution to the assessment. Lastly, the individual reflection, and peer evaluation and individual contribution to group work carries a weightage of 15% each. Further details on page 5.

**Marking Rubric**

| **Group Work (70%)** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Criteria** | **Unsatisfactory (0-3)** | **Satisfactory (4-5)** | **Good (6-7)** | **Excellent (8-10)** | **Rate** | **%** | **Marks** |
| **Report and Video (30%)** | | | | | | | |
| **Report** | | | | | | | |
| Introduction | Introduction is unclear or missing key information regarding the objectives and scope. | Introduction is present but lacks clarity or conciseness in outlining the objectives and scope. | Introduction provides a solid overview of the objectives and scope of the project. | Clear and concise introduction that effectively outlines the objectives and scope of the project. |  | 10 |  |
| Design Concept | Design concept and rationale are either missing or poorly explained. | Limited explanation of the design concept and a weak rationale for the visual appearance and layout. | Design concept is explained with a reasonable rationale for the visual appearance and layout of the website. | Comprehensive explanation of the design concept and a well-justified rationale for the visual appearance and layout of the website. |  | 15 |  |
| Challenges and Solutions | Minimal or no discussion of the challenges faced or lacks sufficient solutions. Shows a lack of understanding of the obstacles and their resolutions. | Limited discussion of the challenges faced, with somewhat incomplete or weak solutions. Demonstrates a basic understanding of the obstacles and their resolutions. | Adequate discussion of the challenges encountered, providing reasonable solutions that address the issues. Shows a good understanding of the obstacles and their resolutions. | Comprehensive discussion of the challenges faced during the project, accompanied by well-thought-out and effective solutions. Demonstrates a deep understanding of the obstacles and their resolutions. |  | 20 |  |
| Implementation and Results | Incomplete or insufficient test cases and explanations, with minimal or no presentation of test results or screenshots. | Basic test cases with limited explanations and a basic presentation of test results, including some screenshots of scenarios and their outcomes. | Sufficient test cases with reasonable explanations and a presentation of test results, including screenshots that demonstrate different scenarios and their outcomes. | Comprehensive and well-documented test cases with clear explanations and a detailed presentation of test results, including screenshots that showcase various scenarios and their outcomes. |  | 20 |  |
| Language | Formatting is inconsistent with numerous grammatical and spelling errors. The writing is understandable, but the tone is not appropriate or consistent. | Formatting is consistent with some grammatical and spelling errors. The writing is mostly articulate, and the tone could be more appropriate and/or consistent. | Formatting is consistent with minimal grammatical and spelling errors. The writing is mostly articulate, and the tone is appropriate and mostly consistent. | Formatting is consistent with no grammatical and spelling errors. The writing is articulate, and the tone is appropriate and consistent. |  | 5 |  |
| Formatting | Poorly presented and not formatted for its purpose. Adhering to very few of the instructions given in the guidelines. | Fairly well presented and formatted, though not specifically for its purpose. Adhering to some of the instructions given in the guidelines. | Well-presented and formatted, though not specifically for its purpose. Adhering to most of the instructions given in the guidelines. | Very well presented and formatted specifically for its purpose. Strictly adhering to the instructions given in the guidelines. |  | 10 |  |
| **Video** | | | | | | | |
| Layout Presentation | The video fails to effectively demonstrate the layout of the website under different viewport sizes, lacking clear presentation or implementation of responsive design principles. | The video provides a basic demonstration of the layout under different viewport sizes but lacks thoroughness or clarity. Responsive design techniques are somewhat limited or not well-executed. | The video demonstrates the layout of the website under different viewport sizes, showcasing responsive design techniques to a satisfactory extent. The presentation is clear and adequately highlights the adaptability of the website. | The video effectively demonstrates the layout of the website under different viewport sizes, showcasing responsive design techniques and adaptability. The presentation is clear, visually appealing, and demonstrates a deep understanding of responsive design principles. |  | 10 |  |
| Functionality Demonstration | The video fails to effectively demonstrate the functionalities of the website as intended, lacking clear presentation or implementation of the required functionality. | The video demonstrates some of the functionalities of the website, but there are gaps or inconsistencies in showcasing the intended functionality. The presentation lacks clarity or thoroughness in communicating the functionality of the website. | The video demonstrates most of the functionalities of the website as intended, showcasing a satisfactory understanding of the project's requirements. The presentation is clear and adequately communicates the functionality of the website. | The video demonstrates all the functionalities of the website as intended, showcasing a thorough understanding of the project's requirements. The presentation is clear, organized, and effectively communicates the functionality of the website. |  | 10 |  |
| **Report and Video Total (100%)** | | | | | | |  |
| **Report and Video Contribution to Assessment (30%)** | | | | | | |  |
| **Website (40%)** | | | | | | | |
| Design and Layout | Limited or poor design and layout, lacking in visual appeal and coherence. | Fair design and layout, with some inconsistencies or areas for improvement in terms of visual aesthetics and organization. | Good design and layout with a cohesive visual appearance and suitable organization. Shows effort in creating an attractive and user-friendly interface. | Exceptional design and layout that is visually appealing, consistent, and effectively supports the chosen theme. Demonstrates creativity and attention to detail. |  | 20 |  |
| The website lacks proper scaling and layout on different viewport sizes, with significant issues or limitations that hinder optimal display and usability on various devices. | The website has some issues with scaling and layout on different viewport sizes, such as minor inconsistencies or limitations in adaptation, resulting in occasional display or usability challenges on specific devices or screen sizes. | The website exhibits satisfactory scaling and layout on different viewport sizes, with reasonable adaptation, responsive design, and effective use of space, ensuring a functional and visually pleasing experience on various devices. | The website demonstrates exceptional scaling and layout on different viewport sizes, with seamless adaptation, responsive design, and optimal use of space, ensuring a visually appealing and user-friendly experience across devices. |
| The website lacks proper responsiveness and cross-browser compatibility, with significant issues or limitations that hinder proper display and functionality across devices and browsers. | The website has some responsiveness or cross-browser compatibility issues, with minor inconsistencies or limitations in adapting to different devices or browsers, resulting in occasional display or functionality issues. | The website demonstrates satisfactory responsiveness and cross-browser compatibility, with reasonable adaptation to different devices and browsers, ensuring a functional and visually appealing experience. | The website is fully responsive and compatible across various devices and browsers, with a seamless user experience and consistent design and functionality across different platforms. |
| Styling and Colour | The website lacks coherent styling and colour choices, with poor visual elements and inconsistent use of colour that result in a visually unappealing presentation. | The website has some styling and colour inconsistencies, with occasional design elements or colour choices that detract from the overall aesthetics and cohesion. | The website demonstrates satisfactory styling and appropriate use of colour, with reasonably consistent visual elements that contribute to the overall aesthetics and presentation. | The website showcases exceptional styling and effective use of colour, with consistent and visually appealing elements that enhance the overall aesthetics and create a cohesive design. |  | 20 |  |
| Functionality | Limited or poor implementation of functionality and interactive elements, resulting in a lack of user engagement or interactivity. | Fair implementation of some functionality and interactive elements, but with limited complexity or room for improvement. | Good implementation of basic functionality and interactive elements that provide meaningful interactions for users. | Implementation of advanced functionality and interactive elements that enhance user experience and engagement. Demonstrates creativity and mastery of web programming concepts. |  | 20 |  |
| Usability | The website lacks proper usability, with confusing navigation, poor content organization, and minimal user interactions, resulting in a challenging or frustrating user experience. | The website has some usability issues, with suboptimal navigation, inconsistent content organization, or limited user interactions, impacting user experience and accessibility. | The website exhibits satisfactory usability, with reasonably intuitive navigation, coherent content organization, and satisfactory user interactions that contribute to a user-friendly experience. | The website demonstrates excellent usability, with intuitive navigation, clear content organization, and effective user interactions that enhance user experience and accessibility. |  | 20 |  |
| Code Quality and Organisation | Code organization and structure are lacking, making it difficult to understand and maintain the code. | Code organization and structure are fair but could benefit from better adherence to coding standards and improved documentation. | Generally clean and organized code with some minor areas for improvement in terms of code structure and documentation. | Clean, well-structured, and organized code that follows best practices and coding standards. Demonstrates proficiency in web programming principles. |  | 20 |  |
| **Website Total (100%)** | | | | | | |  |
| **Website Contribution to Assessment (40%)** | | | | | | |  |
| **Report and Video Contribution to Assessment (30%)** | | | | | | |  |
| **Group Work Subtotal (70%)** | | | | | | |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Individual Evaluation (30%)** | | | | | | | |
| **Criteria** | **Unsatisfactory (0-3)** | **Satisfactory (4-5)** | **Good (6-7)** | **Excellent (8-10)** | **Rate** | **%** | **Marks** |
| Reflection | No reflection given. | Reflection is mostly narrative. | Statement contains some  components of reflective  analysis on learning  experience. | Statement is critical and  reflective on the learning  experience and insights from building (i.e., design and development) the website. |  | 15 |  |
| Peer Evaluation and Individual Contribution to Group Work | Unsatisfactory participation | Satisfactory participation. | Good participation. | Excellent participation. |  | 15 |  |
| **Individual Evaluation Subtotal (30%)** | | | | | | |  |
| **Group Work Subtotal (70%)** | | | | | | |  |
| **Total (100%)** | | | | | | |  |

**Meeting Records and Activity Logs**

**Individual Contribution to Group Work**

The report must include an appendix of meeting records and activity log records.

The meeting record template is as follows:

|  |  |  |
| --- | --- | --- |
| **Date** | **Attended by** | **Items Discussed** |
|  |  |  |
|  |  |  |

The activity log record template is as follows:

|  |  |  |
| --- | --- | --- |
| **Date** | **Progress** | **Recorded by** |
|  |  |  |
|  |  |  |