GROUP ASSIGNMENT
CT053-3-1 FUNDAMENTALS OF WEB DESIGN AND DEVELOPMENT

Intake :
Lecturer :
Date Assigned :
Date Due :

TEST SPECIFICATION TABLE

Course Learning Outcomes (CLOs): At the end of the course, students will be able to:

CLO2	Demonstrate usage of scripting languages in web design and development through a team-based approach. (A3, PLO4)	Group Assignment – Implementation & Solution
CLO3	Apply user interface design principles in web design and development. (C3, PLO2)	Group Assignment – Documentation

Group Assignment - Implementation (60%):

Question No.	Topic	Question Vs Taxonomy						
		Affective Level						
		1	**2**	**3**	**4**	**5**	**6**	**PLO**
		SQ	SQ	SQ	SQ	SQ	SQ	
1	Develop a website using scripting languages as a team.			100%				5
	Total			**100%**				

Group Assignment - Documentation (10%):

Question No.	Topic	Question Vs Taxonomy						
		Cognitive Level						
		1	**2**	**3**	**4**	**5**	**6**	**PLO**
		SQ	SQ	SQ	SQ	SQ	SQ	
1	Apply User Interface Design Principles in Web Design and Document the processes of Web Development.			100%				5
	Total			**100%**				

LEARNING OUTCOMES

At the end of this assignment, you should be able to:

1. Demonstrate usage of scripting languages in web design and development through a team-based approach. (A3, PLO4)
2. Apply user interface design principles in web design and development. (C3, PLO2).

PROJECT TITLES

As a member of a Web Development Team consisting of 3-4 people, you have been assigned to develop a website for a student organization. The objective is to create a platform that serves both members and non-members seeking information, activities, and resources.

The student organization must fall into one of the following categories:

i. **Academic and educational**
   These organizations are typically founded on specific fields of study, such as accounting, programming, mathematics, linguistics, etc. Students can participate in events, forums, or programs that help develop their skills and gain valuable experience.

ii. **Sports**
   Organizations that encourage participation in, promotion, and support of a particular sport at the university, such as football, basketball, swimming, tennis, etc.

iii. **Art and Recreation**
   Organizations that bring together students with common interests in hobbies such as camping, dancing, hiking, or rock climbing. These organizations offer opportunities for both on-campus and off-campus activities.

iv. **Cultural & International**
   Organizations with memberships primarily composed of international students. Their purpose is to provide social activities, cultural awareness, and other activities that support and enhance the international student experience.

v. **Health and Wellness**
   These organizations promote healthy habits and work towards creating a desire to maintain a healthy lifestyle in society. Examples include veganism, fitness, and support groups for smoking and alcohol addiction.

Your group is required to design and develop a fully functional website. The website must demonstrate good usage and appropriateness of multimedia elements. You are expected to provide suitable interfaces by applying design principles and a fully functional navigation component. Multimedia elements and JavaScript must be included on the website for interaction and presentation. While you will need to meet various implementation requirements, the actual content of the website is entirely up to you.

The group in-course assignment is weighted at 70% of the overall grade, with the following composition:
- 60% contributed by implementation and solution components (CLO2)
- 10% contributed by documentation and presentation components (CLO3)

Each team member is expected to contribute equally to the project. Cooperation is essential to ensure the project's successful completion. As a collective effort, the entire group is held accountable for its success.

REQUIREMENTS

The usage of Web page creation tools is permitted. You have the option of developing the website using the following tools:
- Adobe Dreamweaver
- Microsoft Web Expression
- Microsoft Visual Studio

The website must fulfil the following criteria, i.e. it should:

1. Consist of 10 - 20 interlinked pages.
2. Contain examples of appropriate usage of HTML elements.
3. Demonstrate usage of Cascading Style Sheets (CSS)
4. Provide quality content.
5. Demonstrate usage of multimedia elements.
6. Demonstrate usage of JavaScript.
7. Provide appropriate navigation support.
8. Perform proper file organization and naming convention.
9. Be viewable on multiple browsers and settings.

DOCUMENTATION

Your documentation should contain at least 2,500 words and be in a formal report format. The documentation should include the following sections:

1. **Format:**
   - **Typeface:** Calibri, Times New Roman, or Verdana. Boldface, italics, and lines can be used for emphasis and to enhance readability.
   - **Font size:** 12 (except tittles and headings)
   - **Margins:** 1" from the left, right, top and bottom of the edges of the A4 paper
   - **Spacing:** Maximum 1.5 lines between texts of a paragraph
   - **Alignment:** Justify
   - **Headers and footers:** Can be used.
   - **Numbering:** Pages should be numbered
2. **Cover page:** Your cover page should contain the following items.
   - Team member's name and student ID
   - Intake code

- Subject
- Project Title
- Date Assigned (the date the group assignment was handed out)
- Date Completed (the date the report is due to be handed in)
- APU logo

3. **Recommended Content:**
   - **Acknowledgement**
   - **Table of Contents:** The table of contents should have the topic title and reference page number attached to each topic.
   - **Introduction:** This section introduces your project, including background information, the goal of your website, objectives, scope, targeted audiences, project schedule, and a summary of the major sections of your website.
   - **Storyboard & Modelling:** This section defines a storyboard, which consists of a series of wireframes (a wireframe is a blueprint of a single page), and a website diagram (site map). You are required to discuss the design decisions made for the interface design and website structure.
   - **Discussion:** Explain how the proposed system solves existing problems and addresses opportunities. You may also discuss major technical problems faced during development and how you solved these problems.
   - **Future Enhancements:** – Explain the problems and shortcomings of your website and how you can address these in the future.
   - **Conclusions**
   - **References:** Strictly APA style referencing
   - **Attachments:** Include at least 5 meeting minutes or progression reports, meeting attendance sheets, and a signed workload matrix. The weekly report should include what you have done throughout the entire development cycle..

SUBMISSION

The documentation must be submitted online to Moodle as either one MS Word document (.docx) or one Adobe Acrobat document (.pdf).

All other necessary files to run the website must be submitted to Moodle as a zipped folder.

PRESENTATION

You are required to present your website through a live presentation or a video recording of presentation. You can use any of the presentation and screen recording software. The video presentation must be uploaded to Moodle in MP4 format.

ASSESSMENT CRITERIA

The group in-course assignment is weighted at 70% of the overall grade, with the following composition:
- 60% contributed by implementation and solution components (CLO2)
- 10% contributed by documentation and presentation components (CLO3)

The total marks for the documentation component are 50. The entire group's efforts will be assessed based on the following criteria:

Group Assignment - Documentation (10%):

No	Documentation Group Criteria	Mark Allocated (%)	Score (%)	Remark
1	Introduction	10	0	
2	Storyboard & Design Documents	10	0	
3	Evaluation & Future Enhancements	10	0	
4	Conclusion, References & Weekly Reports	10	0	
5	Document Standard (Formatting & Styling)	10	0	0
	Total:	**100**	**0**	
		Percentage:	**0.00%**	**F-, Fail**

The total marks for the implementation and solution components are 60, with 50% (30/60) contributed by group components and 50% (30/60) contributed by individual components. Group and individual efforts will be assessed based on the following criteria:

Group Assignment -Implementation & Solution (60%):

No	Implementation & Solution Group Criteria (30/60)	Mark Allocated (%)	Score (%)	Remark
1	Web page presentation (Layout and Design), Navigation Structure & Usability	10	0	
2	HTML, CSS & Multimedia Elements	10	0	
3	Interactive Features (JavaScript)	10	0	
No 1	**Individual Criteria (30/60)** **Name:**	**Mark Allocated (%)**	**Score (%)**	**Remark**
4	Originality & Innovation	10	0	
5	Workload & Contribution	10	0	
6	Demonstration & Presentation	10	0	
	Total:	**60**	**0**	
		Percentage:	**0.00%**	**F-, Fail**
No 2	**Individual Criteria (30/60)** **Name:**	**Mark Allocated (%)**	**Score (%)**	**Remark**
8	Originality & Innovation	10	0	0
9	Workload & Contribution	10	0	F-, Fail
10	Demonstration & Presentation	120	0	
	Total:	**60**	**0**	
		Percentage:	**0.00%**	**F-, Fail**
No 3	**Individual Criteria (30/60)** **Name:**	**Mark Allocated (%)**	**Score (%)**	**Remark**
8	Originality & Innovation	10	0	0
9	Workload & Contribution	10	0	F-, Fail
10	Demonstration & Presentation	10	0	
	Total:	**60**	**0**	
		Percentage:	**0.00%**	**F-, Fail**
No 4	**Individual Criteria (30/60)** **Name:**	**Mark Allocated (%)**	**Score (%)**	**Remark**
8	Originality & Innovation	10	0	0
9	Workload & Contribution	10	0	F-, Fail
10	Demonstration & Presentation	10	0	
	Total:	**600**	**0**	
		Percentage:	**0.00%**	**F-, Fail**

Marking Guide Line:

Distinction (Excellent)	Credit (Good)	Pass (Adequate)	Marginal Fail (Poor)	Fail (Very Poor)
8 - 10	7	5 - 6	4	0 - 3

Performance Criteria

Criteria	Remarks
Distinction A+: 80% A: 75-79%	- Outstanding, comprehensive, and clear explanation or implementation of the criteria. - High-quality work that fully covers all criteria. - Facts and evidence are well-supported by valid references. - Overall description is comprehensive, clear, and grammatically correct. - Critical thinking is evident in the writing. - Good references provided.
Credit B+: 70-74% B:65-69%	- Effective and well-established criteria used or implemented. - The project works well, with only minor limitations. - Facts and evidence are supported by references. - Writing style is comprehensive, with some critical thinking evident. - Sufficient references provided.
Pass C+: 60-64% C: 55-59% D: 50-54%	- Acceptable and sufficient criteria used or implemented. - The project essentially works but has some significant limitations. - Facts and evidence are sufficient but not fully supported by references. - Consistent writing style, though not comprehensive, with limited critical thinking evident. - Some references provided.
Marginal Fail D-: 40-49%	- Insufficient and unclear criteria used or implemented. - The system does not work in most parts. - Insufficient facts and evidence provided. - Simple writing with no critical thinking evident. - Limited references.
Fail F: 0-40%	- Major sections of criteria are missing. - The system does not work at all. - Lack of facts and evidence. - Poor writing quality. - No references provided.