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

Intake   :
Lecturer   :
Date Assigned:
Date Due   :

TEST SPECIFICATION TABLE

Course Learning Outcomes (CLO): 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. Explain the technologies, methods and tools required in website development.
2. Identify the important scripting languages used in website development and be able to apply the scripting languages in web design and development.
3. Identify and apply the concept of user interface design related to Web application.

PROJECT TITLES

As one of the members of a Web Development Team that consists of 3 – 4 persons, you have been assigned to develop a website for a student organisation. The objective is to create a website that will serve as a platform for both members and non-members who are looking for information, activities and resources.

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

i. **Academic and educational**
   These organizations are typically founded on particular fields of study, for examples, accounting, programming, mathematic, linguistic, etc. Students can participate in events, forums or programs that can develop their skills and help them gain valuable experience.

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

iii. **Art and Recreation**
   Organisations that bring together students who share common interests in particular hobbies such as camping, dancing, hiking or rock climbing. These organisations offer opportunities for students to experience both on-campus and off-campus activities.

iv. **Cultural & International**
   Organization with membership that is comprised mostly of international students whose 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 toward creating a desire to maintain a healthy life in society. For examples, veganism, fitness, smoking and alcohol addiction Support Groups.

Your group is required to design and develop a fully working website. The Web site 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 in the website for interaction and presentation purposes. You will need to meet various implementation requirements, but the actual content of the website is entirely up to you.

The group in-course assignment is weighted at 70 % of overall percentage with the following composition:

- 60% contributed by implementation and solution components (CLO2), and
- 10% contributed by documentation and presentation components (CLO3).

Each team member is expected to put in an equal amount of effort into the project. You are reminded that co-operation is the key to ensuring that the project is completed successfully. Being of a collective nature, the entire group is held liable for the success of it.

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 2500 words. Documentation should be in a formal report format. The documentation should include the following:

1. Format:
   - Typeface: Calibri, Times New Roman or Verdana. Bold face, italic & lines can be used for emphasizing and to enhance readability
   - Font size: 12(except tittles and headings)
   - Margins: 1" from the left, right, top & 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
   - 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 the background information, goal of your website, and objectives, scopes, targeted audiences, project schedule and a summary of the major sections of your website.
   - Storyboard & Modelling - The section defines a storyboard which consists of a series of wireframes (a wireframe is a blueprint of a single page), and a website navigation diagram. You are required to discuss the design decisions made for the interface design and website structure.
   - Discussion - Explain how the proposed system solves the existing problems and addresses opportunities. You may also discuss major technical problems faced during development and how do you solve these problems.
   - Future Enhancements – Explain problems and shortcomings of your website and how you can solve these in the future.
   - Conclusions
   - References – Strictly APA style referencing
   - Attachments – Include at least 5 meeting minutes or progression reports, meeting attendance sheet & a signed workload matrix. The weekly report should include what you have done for the entire development cycle.

SUBMISSION

The documentation must be submitted online to Moodle in 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 to the lecturer, and the presentation will be judged accordingly. You can use any of the presentation software, e.g. PowerPoint or record a presentation video.

ASSESSMENT CRITERIA

The group in-course assignment is weighted at 70 % of overall percentage with the following composition:

- 60% contributed by implementation and solution components (CLO2), and
- 10% contributed by documentation and presentation components (CLO3).

The total marks of documentation component is 100. The entire group efforts will be assessed based on the following criteria:

Group Assignment - Documentation (10%):

No	Documentation Group Criteria	Mark Allocated (%)	Score (%)	Remark
1	Introduction	20	0	
2	Storyboard & Design Documents	20	0	
3	Evaluation & Future Enhancements	20	0	
4	Conclusion, References & Weekly Reports	20	0	
5	Document Standard (Formatting & Styling)	20	0	0
	Total:	**100**	**0**	
		Percentage:	**0.00%**	**F-, Fail**

The total marks of implementation and solution components is 120 with 50% (60/120) contributed by group components and 50% (60/120) contributed by individual component. Group & individual efforts will be assessed based on the following criteria.

Group Assignment -Implementation & Solution (60%):

No	Implementation & Solution Group Criteria (60/120)	Mark Allocated (%)	Score (%)	Remark
1	Web page presentation (Layout and Design), Navigation Structure & Usability	20	0	
2	HTML, CSS & Multimedia Elements	20	0	
3	Interactive Features (JavaScript)	20	0	
No 1	Individual Criteria (60/120) Name:	Mark Allocated (%)	Score (%)	Remark
4	Originality & Innovation	20	0	
5	Workload & Contribution	20	0	
6	Demonstration & Presentation	20	0	
	Total:	120	0	
	Percentage:		0.00%	F-, Fail
No 2	Individual Criteria (60/120) Name:	Mark Allocated (%)	Score (%)	Remark
8	Originality & Innovation	20	0	0
9	Workload & Contribution	20	0	F-, Fail
10	Demonstration & Presentation	20	0	
	Total:	120	0	
	Percentage:		0.00%	F-, Fail
No 3	Individual Criteria (60/120) Name:	Mark Allocated (%)	Score (%)	Remark
8	Originality & Innovation	20	0	0
9	Workload & Contribution	20	0	F-, Fail
10	Demonstration & Presentation	20	0	
	Total:	120	0	
	Percentage:		0.00%	F-, Fail
No 4	Individual Criteria (60/120) Name:	Mark Allocated (%)	Score (%)	Remark
8	Originality & Innovation	20	0	0
9	Workload & Contribution	20	0	F-, Fail
10	Demonstration & Presentation	20	0	
	Total:	120	0	
	Percentage:		0.00%	F-, Fail

Marking Guide Line:

Distinction (Excellent)	Credit (Good)	Pass (Adequate)	Marginal Fail (Poor)	Fail (Very Poor)
15 -20	13 - 14	10 - 12	8 - 9	0 - 7

Performance Criteria

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