



FACULTY OF ENGINEERING & COMPUTING

PROGRAMME : Foundation in Engineering, Science and Technology
ACADEMIC YEAR : 2019
MODULE : Web Design
MODULE CODE : FEST 026
MODULE LEADER : Sin Chee
ASSIGNMENT TYPE : Individual Assignment
INTAKE/GROUP : April/ Fest 42
DISTRIBUTION DATE : Tuesday, 19 November 2019
SUBMISSION DATE : Tuesday, 14 January 2020 1:00 PM

STUDENT NAME	STUDENT ID	CLASS CODE

Assignment Feedback Form

Web Design

Criteria	A	B	C	D	F	Comments
<ul style="list-style-type: none"> The website meets the requirements set out in the scenario section. The pages have been correctly structured e.g. head, body section, page titles. Pages are viewable in 1024x768. Text content is structured correctly using a range of appropriate elements. The pages are easy to navigate. HTML Table have been correctly structured with appropriate row and column. HTML Form have been correctly structured with appropriate form elements. Layout of the form. Integration of media such as video, audio and images. Appropriate choice file size and file format 						
<ul style="list-style-type: none"> Only one CSS file created, correctly structured and applied to all the html pages of the site. Wide range and complexity of properties and selectors use. All pages with a consistent design Design that are aesthetic, ambitious and sophisticated have the potential to score highly. 						
<ul style="list-style-type: none"> Validation output is presented clearly and neatly. Full marks awarded for no validation errors found or minor validation errors with correct explanations. Description of the differences between the two browsers is presented clearly. 						
<ul style="list-style-type: none"> Rational discussion on the challenge of web design. E.g. Different browsers, different screen resolutions, accessibility issues and usability. Rational idea for improvement and future enhancement are proposed. 						

Marks:

/100

General Comments:	
Assessor's Signature:	Date:
Name:	

General Instructions

Use the following format for the preparation of the *assignment submission*.

- Paper size : A4
- Margins: left = 1.5", right, top and bottom = 1"
- Font size : 12 , Times New Roman/Arial
- Line spacing : 1.5
- Number all pages sequentially
- Number all Figures and Tables sequentially and refer them in the text
- Binding: **staple at top left corner** of assignment submission

WARNING

- Assignments submitted after the due date will be considered late.
- Assignments submitted not later than two weeks after the due date will be marked, but the marks will be capped to a maximum of 40%.
- Assignments submitted later than two weeks will be marked, but carry zero mark.
- First City University College takes allegations of plagiarism very seriously. Submissions involving plagiarism will be marked, but given zero mark. Plagiarism is the attempt to pass off the work of another as your own. Information taken from the work of others should be acknowledged by reference to obviate the charge of copying.
- Collusion is an academic irregularity within the First City University College assessment regulations. Any student found colluding in the production of any assessment will be subject to an investigation with the imposition of any penalty deemed appropriate. Students must ensure they are familiar with the definition of collusion.

I. Assignment Requirements

Introduction

This assignment consists of four (4) tasks, namely HTML, CSS, Testing report and Critical issues evaluation report. All tasks of assessment relate to the following scenario.

Scenario

The abbreviation of gymnasium is gym, it consists of gymnastics, athletics and gymnasium. "Gym" is also known as an area for indoor recreation, in others word is "fitness centre".

Divin fitness centre was developed in 2010. It is one of the famous gym that offer training classes on both mind and body. Divin fitness centre also offer different membership packages for individual and also company to promote the importance of healthy lifestyle. Divin fitness has approached you to develop a website for them, which will promote their centre. They hope that this website will gain them new customers in the future.

The website will need to provide the following features:

- **A home page** – This page will allow users to navigate to the resources in the website. As a result, the home page will need to quickly communicate the purpose of the website, be visually engaging and provide clear navigation to the other information contained in the rest of the website.
- **A 'classes' page** – This page will provide information about different types of classes and also the class timetable. They also offer trial classes. You may structure the HTML table to display the timetable.
- **A 'membership' page** – This page will provide the information about their fitness packages designed for individual/group/corporate.
- **A 'diet' page** – This page will provide the diet for before, during and after workout.
- **A 'Enquiry' page**– This part of the site should also include an HTML form that will allow users to enquire about the any topics relate to the fitness centre. E.g. package offered or classes.
- **A 'Contact us' page** – Contact details for the company such as a telephone number, address, opening times and location.
- **A 'Testimonial' page** – This will allow the users to share their experiences.

Note: You aren't required to write any code that will process the data entered into this form.

At this initial stage in the development process you are required to make a HTML/CSS prototype of the site that will clearly show Divin fitness on how the final site could work.

Content (text, videos, images etc.) hasn't been provided. Suitable content can be found on the web e.g. photos of place for gym equipment. The content you include in your site must be licensed for re-use. **Do not spend excessive amounts of time**

researching and gathering content. The purpose of this website is to provide a clear indication of how the final site would look and function. The client would provide the actual content at a later point if they satisfied with the site you have proposed.

Task 1 - HTML (30 marks)

- The website must be developed using **XHTML 1.0 Strict** or HTML 5 and feature a minimum of SEVEN (7) interlinked pages. The website must feature the content described above and meet the following criteria:
- Feature a **minimum of SEVEN (7)** HTML pages.
- Be usable in at least TWO (2) different web browsers.
- Be viewable on monitors with screen resolutions of **1024x768** without users having to scroll horizontally.
- Integrate and use a range of media appropriately.
- Demonstrate good application of web design principles and be easy to navigate and use.

Task 2 – CSS (30 Marks)

Create a **single external** CSS file that specifies the design for the website. Each of the HTML pages must link to this CSS file. There should be **NO** use of the style attribute or the <style> element in the HTML pages.

Task 3 – Evaluate the Website and Write a Test Report (20 Marks)

You must use the W3C validation service (<http://validator.w3.org/>) to check your HTML and CSS code. You should endeavour to remove as many non-compliant features as possible. Make sure 'show source' is selected and save the output from this tool.

Test the website using TWO (2) different web browsers. Record any significant differences between the renderings of the two browsers and attempt to diagnose the cause. You do **NOT** need to modify your code to correct any differences between browsers.

Write a short report describing your testing. Provide a description of any outstanding problems and recommendations for fixing them.

Task 4 – Critical Evaluation (20 Marks)

You are required to write a short report (500 words) analysing the website you have submitted. You should highlight the advantages and disadvantages of your website, suggest improvements, and propose ideas for further development. This analysis **must** include a discussion of the accessibility of the website and the ways in which the website has been designed to support mobile users.

II. Learning Outcomes

Learning Outcomes	Assessment Question
1. Identify the basic requirements and principles in designing a website.	Task 1
2. Identify and understand the internet, World Wide Web (WWW) and the Web 3 Consortium (W3C) standards.	Task 3
3. Develop and use web development tools such as Hyper Text Markup Language (HTML) and Cascading Style Sheet (CSS) to build website based on specifications.	Task 1, Task 2
4. Analyse the multimedia elements in producing an interactive web design.	Task 1
5. Justify techniques used in solving problems and apply the knowledge to a development of a website.	Task 4