

MTD220
User Experience (UX) Design and Web
Technologies

Tutor-Marked Assignment 02

January 2023 Presentation

TUTOR-MARKED ASSIGNMENT 02 (TMA02)

This assignment is worth 15% of the final mark for MTD220 – User Experience (UX) Design and Web Technologies.

The cut-off date for this assignment is **1 March 2023, 23:55 hrs.**

Note to Students:

You are to include the following particulars in your submission: Course Code, Title of the TMA, SUSS PI No., Your Name, and Submission Date.

Question 1

Scenario:

Assume that you are a user experience designer for the Central Provident Fund (CPF) website, and you have received feedback from the users that they are having difficulties navigating around the website to find out the information on **how they can use their CPF saving to get a new home.**

You are tasked to find out through **moderated qualitative usability test (UT)** on how to improve:

1. The navigation for users within the website.
 2. Information finding for users.
 3. Any other experience for the users.
- (a) Create a plan for a moderated qualitative UT with a clearly defined scope and goal. (4 marks)
- (b) Define the profile and ideal number of participants to recruit for your UT, explain why in your own words. (6 marks)
- (c) Develop a discussion guide with **THREE (3)** usability tasks. State the goal and success criteria for each usability task. (9 marks)
- (d) Create **TWO (2)** post-interview questions after the usability tasks and explain the rationale for the questions. (4 marks)

Question 2

- (a) Execute the qualitative UT using the discussion guide developed in Question 1c with **FIVE (5)** users and document your findings with no more than **FOUR (4)** slides. (10 marks)
- (b) Propose **TWO (2)** recommendations from your findings in Question 2a with no more than **TWO (2)** slides. You may illustrate your recommendations if you need to. (6 marks)

Question 3

Using the source files for Question 3, **make changes ONLY to myStyles.css and myScript.js**. Marks will be *penalised* if changes are made to index.html.

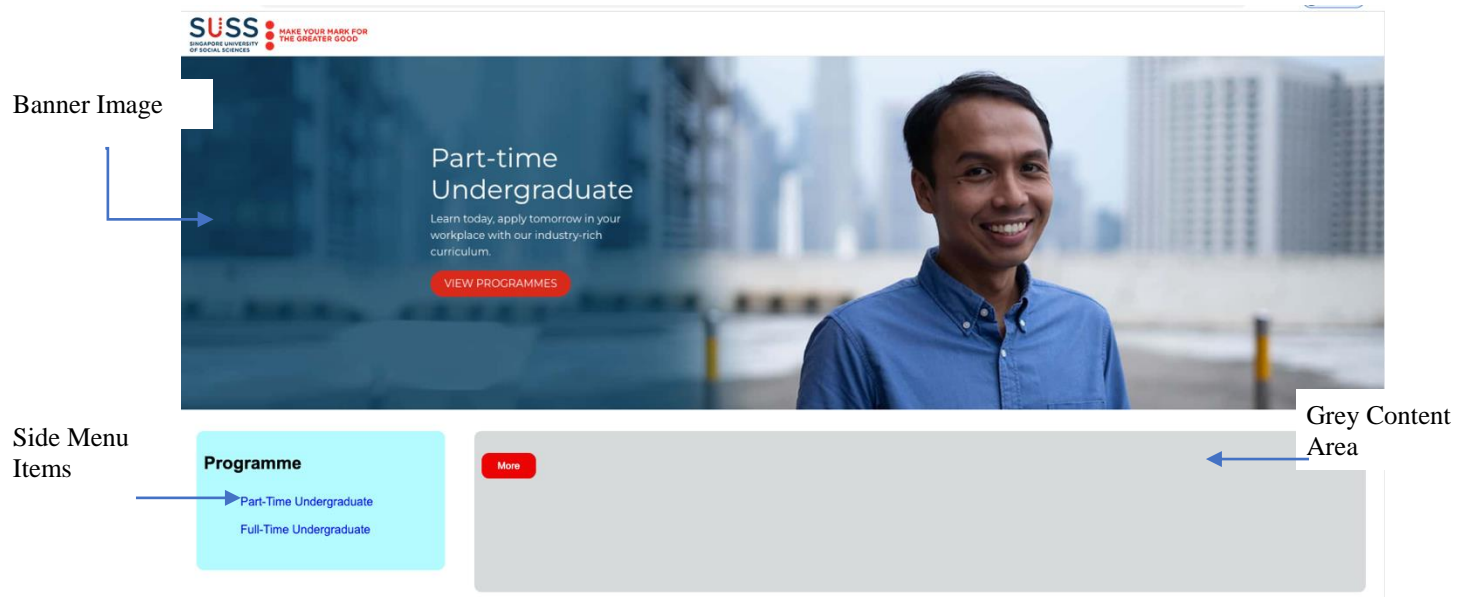


Figure 3a

- (a) Refer to Figure 3a, apply the following styling to the side menu items (Part-time Undergraduate and Full-Time Undergraduate):
- 1) Set font color to #f0909f
 - 2) Set padding to 10px for all sides
 - 3) Set cursor to pointer
 - 4) Remove the bullet icons for each menu item
- (4 marks)
- (b) Refer to Figure 3a, apply the following styling to the 'More' button from the grey content area:
- 1) Set background color to #ec0404
 - 2) Set font color to #ffffff
 - 3) Set padding to 10px for top and bottom sides, and 22px for left and right sides
 - 4) Set cursor to pointer
 - 5) Set radius of the border to 10px
 - 6) Remove border
- (6 marks)

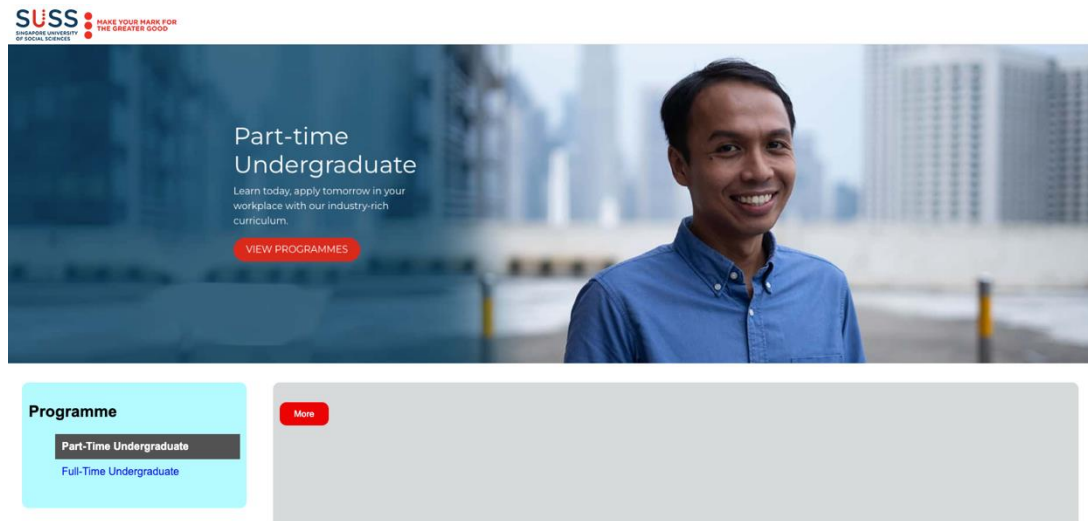


Figure 3b

(c) Refer to Figure 3b, apply the following styling to the side menu items when **being hovered over**.

- 1) Set font to bold
- 2) Set font color to #ffffff
- 3) Set menu item background color to #525252

(3 marks)

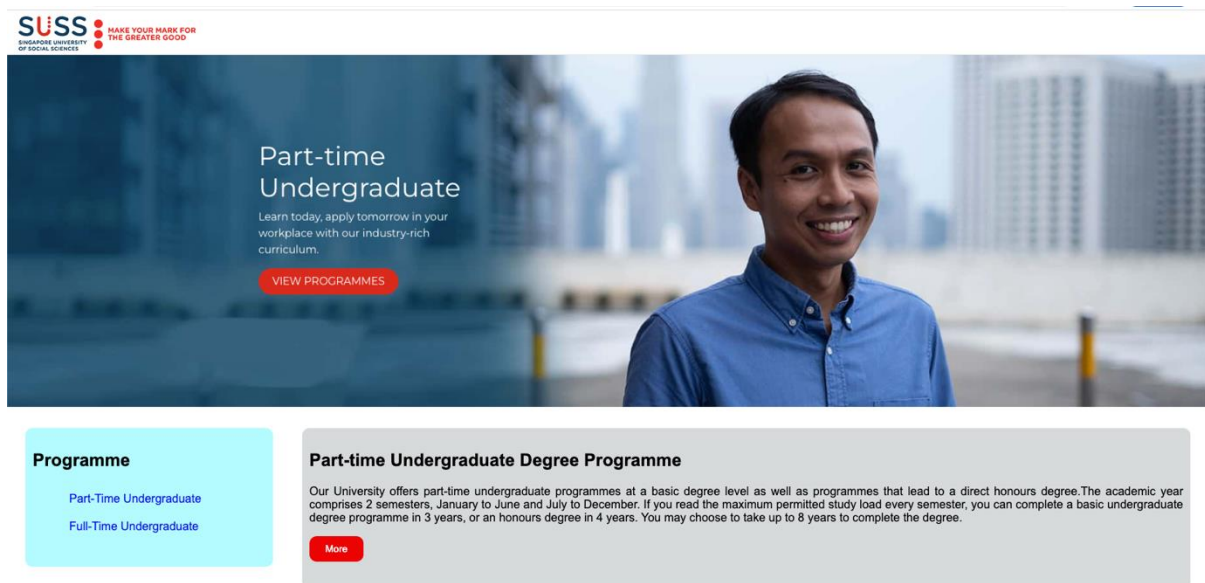


Figure 3c

- (d) Refer to Figure 3c, implement the following content into the webpage when user launch the webpage.

Content Title	Content Detail
Part-time Undergraduate Degree Programme	Our University offers part-time undergraduate programmes at a basic degree level as well as programmes that lead to a direct honours degree. The academic year comprises 2 semesters, January to June and July to December. If you read the maximum permitted study load every semester, you can complete a basic undergraduate degree programme in 3 years, or an honours degree in 4 years. You may choose to take up to 8 years to complete the degree.

(2 marks)

- (e) Refer to Figure 3c, apply the following banner image and content when user clicks on the side menu items.

- 1) When user clicks on Part-Time Undergraduate:

Banner Image	Content Title	Content Detail
pt_undergrad.png	Part-time Undergraduate Degree Programme	Our University offers part-time undergraduate programmes at a basic degree level as well as programmes that lead to a direct honours degree. The academic year comprises 2 semesters, January to June and July to December. If you read the maximum permitted study load every semester, you can complete a basic undergraduate degree programme in 3 years, or an honours degree in 4 years. You may choose to take up to 8 years to complete the degree.

- 2) When user clicks on Full-Time Undergraduate:

Banner Image	Content Title	Content Detail
ft_undergrad.png	Full-time Undergraduate Degree Programme	Catering to fresh school leavers, SUSS full-time undergraduate programmes provide a unique curriculum which enables you to reach your goals while creating a positive impact in society. Our curriculum equips you with the three essential qualities of Head, Heart and Habit that enable you to reach your goals while making a positive impact in society.

(6 marks)

- (f) Apply hyperlinks to the 'more' button from the grey content area so that the respective side menu links navigate the user to the respective websites in **a new window or tab**.

Menu Item	Target website
Part-Time Undergraduate	https://www.suss.edu.sg/part-time-undergraduate
Full-Time Undergraduate	https://www.suss.edu.sg/full-time-undergraduate

(4 marks)

Question 4

Using the source files, **make changes ONLY to myScript.js**. Marks will be *penalised* if changes are made to index.html.

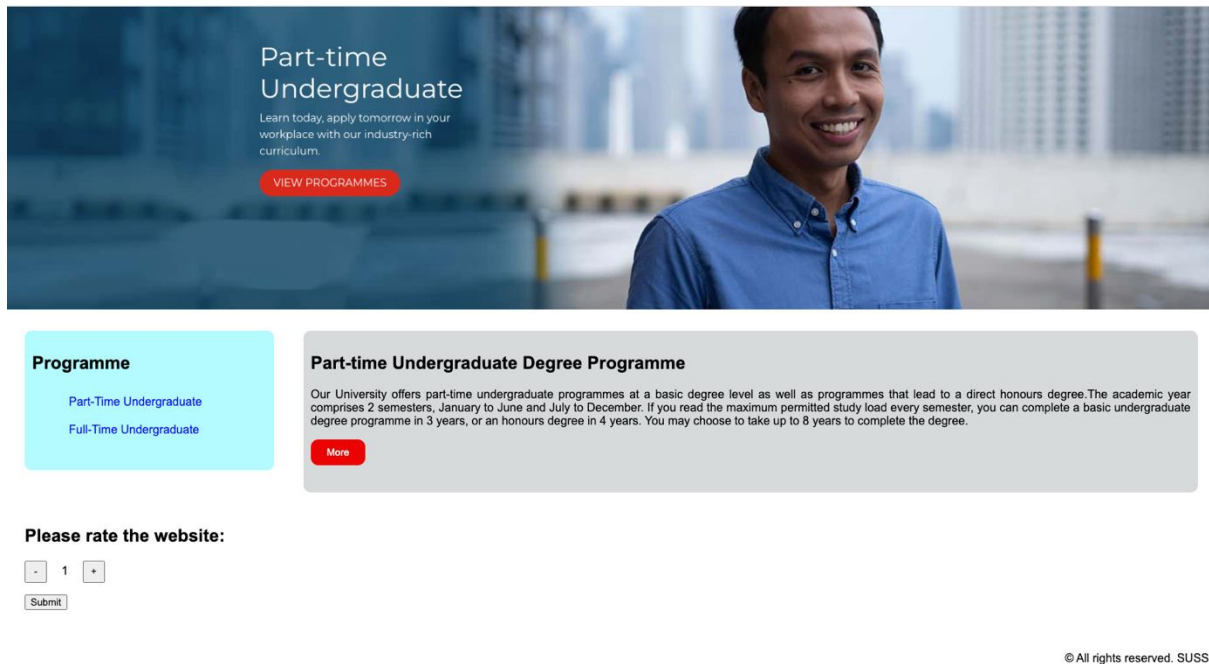


Figure 4a

- (a) Refer to Figure 4a, create the '-' and '+' button elements with a number element between the buttons.
 - Create the buttons and the number elements. Display '-' and '+' for each buttons, and set the number as default 1. (6 marks)
- (b) Apply the following styles to the button and number elements.
 - Set the width and height for both button elements to 30px. (2 marks)
 - Set the padding for the number element to 20px. (1 mark)
- (c) Apply the following actions to the button and number elements.
 - When user clicks on the '-' button, the number will be decrease by 1. Ensure that the number do not go below 1. (2 marks)
 - When user clicks on the '+' button, the number will be increase by 1. Ensure that the number do not go beyond 5. (2 marks)

- When user clicks on the Submit button, display an alert with the following message depending on the number.

Number	Message to be displayed
1	Thank you for your rating! You have rated our website as very poor design
2	Thank you for your rating! You have rated our website as poor design
3	Thank you for your rating! You have rated our website as average design
4	Thank you for your rating! You have rated our website as good design
5	Thank you for your rating! You have rated our website as awesome design

(3 marks)

Question 5

Propose and develop an additional feature to enhance the website. **Make changes ONLY to the file myStyles.css and myScript.js.**

- (a) Describe the additional feature that you have added to the website. (4 marks)
- (b) Explain how the additional feature enhance the website. (4 marks)
- (c) Implement the feature. (12 marks)

---- END OF ASSIGNMENT ----