**SCHOOL OF ENGINEERING AND TECHNOLOGY**

**ASSIGNMENT / PROJECT SUBMISSION FORM**

**PROGRAMME : BSc (Hons) in Computer Science**

**SEMESTER : Jan / Apr / Aug 2023**

**SUBJECT : WEB1201 / WEB2014 Web Fundamentals**

**DEADLINE : 6July 2023 23:59 MYT**

**INSTRUCTIONS TO CANDIDATES**

* This is a(n) ~~individual~~ / group project.

**IMPORTANT**

# The University requires students to adhere to submission deadlines for any form of assessment. Penalties are applied in relation to unauthorized late submission of work.

# Coursework submitted after the deadline but within 1 week will be accepted for a maximum mark of 40%.

# Work handed in following the extension of 1 week after the original deadline will be regarded as a non-submission and marked zero.

**Lecturer’s Remark** (Use additional sheet if required)

List down the name of the group members and the student IDs here.

I Liew Jieh Cheng, Lee Xing Le, Tee Yu Chen, Yen Ming Wey (Student’s Name) 21045471, 21030234, 21030317, 21030457 (Student ID) received the assignment and read the comments.



................................................................................................................................(Signature/Date)



**Academic Honesty Acknowledgement**

“I Liew Jieh Cheng, Lee Xing Le, Tee Yu Chen, Yen Ming Wey (Student’s Name) verify that this paper contains entirely my own work. I have not consulted with any outside person or materials other than what was specified (an interviewee, for example) in the assignment or the syllabus requirements. Further, I have not copied or inadvertently copied ideas, sentences, or paragraphs from another student. I realize the penalties *(refer to page 16, 5.5, Appendix 2, page 44 of the student handbook diploma and undergraduate programme)* for any kind of copying or collaboration on any assignment.”



…................................................................................................... (Student’s signature / Date)



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http://sunway.edu.my/pdpa/notice\_english (English version)

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**1. Introduction**

*[Provide an explanation of the chosen topic of the website.]*

In the 21st century, we have experienced a paradigm shift on the way consumers purchase goods from in-store shopping towards a more convenient and accessible method of purchase which involve online shopping, also known as e-commerce. E-commerce has provided consumers with an unprecedented convenience to access products and services that eliminates all the geographical limitation, thus allowing customers from all around the globe to access a vast array of clothing options. It is clear to say that working adults and students who are busy with their daily life may not have sufficient time to spend time shopping for clothes physically. Therefore, the decision to design a website for online shopping was made by us to provide these customers with a dedicated platform to browse, select and purchase clothes they like online, allowing them to save unnecessary time on in-store shopping. We believe that fashion is a powerful form for everyone to fully express themselves in their mundane and repetitive lifestyle. Therefore, we hope to provide a variety of appealing and stylish clothing option with a combination of elegance, trendy and classiness for our customer to choose from. The scope of our website is to provide our customer with a seamless and enjoyable experience throughout their shopping process. In order to do so, we have incorporated features like easy to access navigation windows, filtering option and personalization, appealing images and detailed description to aid our customer in making their purchasing decisions. We also provide our customer with an excellent customer service by providing them our contact information for any queries or concern that may arise. Overall, our main goal is to make every customer to have a pleasurable experience on our website.

**2. Design Plan**

*[Provide the design plan of the website, explaining the design elements and justifying your choices.]*

**Wireframe**

The name for our website is called “OOTD” which is an abbreviation for “Outfit of The Day”. In our website, we have a total of 5 different pages, which are the Home Page, Browsing Page, Item Page, Wishlist Page and Shopping Cart Page. The website design incorporates several key design elements to enhance user experience and functionality. The main design theme for our website is cleanliness, minimalistic and modernity, with a classic white-greyish colour background as the base colour for our web pages, accompanied with a pink secondary colour to entice our webpage and attract the interest of customers. The font that we will be using for most of our webpages is the Inter, sans serif font to improve readability for customers of all age. Below shows the overall design for our website:

A screenshot of a computer

Description automatically generated with medium confidenceA screenshot of a website

Description automatically generated with medium confidence

A screenshot of a clothing store

Description automatically generated with low confidenceA picture containing text, screenshot, software, display

Description automatically generated

A screenshot of a wish list

Description automatically generated with medium confidence

A screenshot of a shopping cart

Description automatically generated with medium confidence

Next, we would like to talk about our design idea of each page individually.

**Header and Footer**

Logo Div

Nav Div (unordered list)

Utility Div

Header Div

Contact Div

Search Bar Div

A screenshot of a website

Description automatically generated with medium confidence

Footer Div

The header and Footer in our website will be the same for every pages. The header and footer are set at the top panel and bottom panel respectively with a fixed position, ensuring that users can easily access the links no matter how far they scroll down the web page. Our logo is placed on the top left corner for an easy recognition of our branding, thus creating a strong visual identity. It also serves as a direct link to our home page. The navigation bar, which is placed in an unordered list is positioned in the middle of the header and provides direct links to the browsing pages. When the users’ mouse hover over each of the browsing pages (Men, Women, Kids, Deals), the specific browsing page title will be underlined to inform the user about the page that they are choosing. This is done by setting the text decoration as underlined when the links are hovered over. The right side of the header consist of links to the wish list page and shopping cart page. This is all done by setting the top panel as the header of the webpage, which consists of a large <div> element as its container. Inside the header <div>, there are three additional <div> elements arranged using flexbox with the space-between property. The first <div> contains the logo, the second <div> contains the navigation menu, and the third <div> houses the utility section. For the footer section, the left side of the footer is designed with hyperlink icons for different contact methods, enabling users to easily contact our team for any queries and assistance needed. On the right side of the footer, a convenient search bar is placed, allowing users to quickly find specific items that they desire.

**Home Page**

A screenshot of a computer

Description automatically generated with medium confidenceA screenshot of a website

Description automatically generated with medium confidence

Left arrow.

Dot indicator

Right arrow

“What’s new” div.

Model image div

Model Images

To captivate users, a prominently displayed model image occupies a large space in the middle of the web page, instantly drawing attention and engaging the audience. A model image <div> is needed to store the model images below the header section. In addition, to enhance our design, a left and right arrow element, along with the dot indicator, are positioned absolutely within their respective locations. This positioning allows for precise placement of these elements on the webpage regardless of the contents’ flow.

Directly below the model image <div>, there’s a "What's New" section that showcases the latest item and providing direct links to those specific item pages. Inside the “What’s New” <div> holds four <img> elements with a flex property set to flex wrap and the images are centered using appropriate styling. When users hover over each of the images in this division, it will be highlighted using a box-shadow property and increase the image size using transform property to provide an emphasis on the image selected.

**Browsing Page**

A picture containing text, screenshot, font, number

Description automatically generated

Main-Content

Div

Category Div

Price Range Div

Sidebar Div

Item div

Title changes accordingly

Press-to-top button

For the Browsing Page, a fixed sidebar positioned on the left side provides convenient access to important features. The sidebar displays a large title that clearly indicates the current navigation page to help users orient themselves. Following that is the first <div> that contains the category section, which allows users to choose and filter items based on specific categories, thus enabling them to narrow down their search. Each of the category is placed in an unordered list and will be highlighted when hovered over by changing the background colour of the <li> element in the unordered list. Additionally, the second <div> contains the price range section which enables users to view items within a set price range. The main content area adjacent to the sidebar occupies a significant portion of the page, allowing users to browse through a wide selection of items. This section is scrollable, facilitating seamless exploration. The items in the section are organized within individual item <div> containers. These containers are flexed using the space-between property, allowing for evenly distributed spacing between the items. Additionally, the flex-wrap property is set to wrap, enabling the items to wrap onto multiple lines if the space is insufficient. Similarly, when each item is hovered over, the item title and price will be underlined to tell the customers the item that they are choosing.

To enhance usability, a press-to-top button is located at the bottom right corner, enabling users to scroll back to the top of the page instantly. The header, sidebar, and footer are all positioned as fixed elements, ensuring that they remain visible and easily accessible throughout the page.

**Item Page**

Navigation state div

A picture containing text, screenshot, font

Description automatically generated

Left Div

Choice Div (Flex)

Name and Price

Description

Size Div

Right Div

Image

Model Image

The Item Page provides users with a comprehensive overview of the product. The webpage is divided into two mains <div> elements, each occupying half of the available space. The left <div> contains an <img> element, which can display an item image relevant to the content, allowing users to observe it in detail. Positioned above the picture, a navigation state (e.g., Home > Women > Tops > Cotton Striped) provides users with contextual information, helping them to orient themselves within the website's hierarchy. Inside the right <div>, the item's description is presented. There are multiple nested <div> elements to organize the content effectively. The first <div> hold the title which displays the name of the item and price information. Below it, a <div> contains the size information and corresponding button that will be shaded in grey when users select the size that fits their needs. Moving down, there is a separate <div> to contain the description of the item, providing additional details and informing users about the specific product features. Finally, in the lowest <div>, users are given the option to select their desired quantity by using an input type of number. Users can also choose whether to add the item to their shopping cart or wish list by clicking on each buttons respectively. The quantity input, "Add to Cart" button, and a wishlist <img> are flexed using the space-between property. This ensures that these elements are horizontally aligned with even spacing between them, creating a balanced and user-friendly display.

**Wish List Page**

A screenshot of a wish list

Description automatically generated with low confidence

Item Div

Wishlist Div

Body container

Title (centered)

For the wish list page, the <h1> title is aligned at the center of the container, emphasizing its significance. Below the title, a container spans the width of the page, allowing users to view their wish list items in detail. The container itself is a <div> that houses three separate <div> elements. Each of these three <div> elements represent an item, featuring a picture of the item, its name, and the corresponding price. The individual item <div> within the container takes up one-third of the available space. It is flexed using the space-around property, allowing for even spacing around each item. Additionally, the flex-wrap property is set to wrap to enable the items to wrap onto multiple lines if the space is insufficient. This ensures that the wish list section remains scrollable and allowing users to browse through their desired items conveniently. To facilitate the transition from wish list to cart, users can input the size and click a button to add the item to their cart. This streamlined process simplifies the user purchasing process while enhancing usability. Additionally, a bin icon is available for each item in the wish list, allowing users to directly remove undesired items without navigating away from the page. This convenient feature provides users with total control over their wish list content.

**Shopping Cart Page**

A screen shot of a shopping cart

Description automatically generated with medium confidence

Buttons

Shopping Cart Div

Item Div

Body container

For the shopping cart page, each item is placed horizontally in its own <div>, and within each item division, the details of the selected items, such as price, size, and quantity are displayed to the customers. This layout allows for easy scanning and checking of item details. The shopping cart container utilizes the flex-wrap property set to wrap, ensuring that each item is placed on a new line. Users can directly input their desired quantity during checkout if they wish to make any changes. Additionally, a bin icon is provided for each item in the shopping cart, allowing users to conveniently remove undesired items within a single click. Below the container, a button is included to clear all items in the shopping cart. This feature saves users time and effort by allowing them to remove all items at once, instead of clearing them one by one. Adjacent to the clear all items button, another button is placed to proceed to the checkout page. The two buttons are designed using different colors to alert users about their different functions. The clear all items button is highlighted in red to warn users about its irreversible action. These two buttons are positioned absolutely in the right bottom corner. This positioning ensures that the buttons remain fixed in place even when the user scrolls through the cart items. Placing the buttons in this location promotes ease of access for actions such as checkout or removing items from the cart.

**Mobile Design**

Navigation Structure

Home Page

A pink and grey background with black text

Description automatically generatedA screen shot of a computer

Description automatically generated with low confidence

Category list

Browsing Page

A picture containing text, screenshot, font, design

Description automatically generated

A picture containing text, screenshot, font, design

Description automatically generated

Wish List Page

Item Page

A screenshot of a shopping list

Description automatically generated with low confidence

A picture containing text, screenshot, font

Description automatically generated

Shopping Cart Page

A screenshot of a screen

Description automatically generated with low confidence

**Page hierarchy**

**References**

*[If you have any references, provide the list in this section. Please use APA referencing style.]*

H&M. (n.d.). *H&M | Women’s, Men’s & Kids’ Fashion | H&M MY.* https://www2.hm.com/en\_my/index.html

Padini Malaysia (n.d.). https://www.padini.com/

UNIQLO. (n.d.). *UNIQLO*. https://www.uniqlo.com/my/en/men

**Appendix**

*[Include meeting records and activity logs in this section.]*

**Meeting Record**

|  |  |  |
| --- | --- | --- |
| Date | Attended by | Item Discussed |
| 5/6/2023 | All Members | * Brainstormed idea on possible topics. |
| 6/6/2023 | All Members | * Research and chose a topic. * Choose a designing website to designing our website. |
| 12/6/2023 | All Members | * Discussion on general design and theme. |
| 19/6/2023 | All Members | * Discussion on alternative design ideas and make minor changes. |
| 22/6/2023 | All Members | * Wrap up on the design wireframe. * Discussion on the report template |
| 26/6/2023 | All Members | * Update on the progress of the report |
| 4/7/2023 | All Members | * Discussion on the changes that can be done and things to be added to the report. * Wrap up on the report |

**Activity Log**

|  |  |  |
| --- | --- | --- |
| Date | Progress | Recorded by |
| 6/6/2023 | Chosen a topic for our website | Lee Xing Le |
| 12/6/2023 | Sketches made for the design of website | Lee Xing Le |
| 21/6/2023 | Completed most of the design | Lee Xing Le |
| 21/6/2023 | Decision made on the features that can be added | Lee Xing Le |
| 22/6/2023 | Started writing the report | Lee Xing Le |
| 3/7/2023 | Completed most of the report | Lee Xing Le |
| 4/7/2023 – 6/7/2023 | Revise and finalize on the report | Lee Xing Le |

A group of people sitting at a table with laptops and water bottles

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