

**UECS2194**

**Web Application Development**

***Burger Ordering Website***

|  |  |  |
| --- | --- | --- |
| **Name** | **ID** | **Course** |
| Goh Jie Sheng | 2102074 | SE |
| Chia Jia Shin | 2102373 | SE |
| Wong Wen Xuan | 2101604 | SE |
| Lau Hwai Jun | 2001842 | SE |
| Lee Boon Hao | 2106860 | SE |

Table of Contents

[1.0 Introduction 3](#_Toc133163817)

[1.1 Project Background 3](#_Toc133163818)

[1.2 Tools 4](#_Toc133163819)

[2.0 Project Design 4](#_Toc133163820)

[2.1 Flow Chart Diagram 4](#_Toc133163821)

[2.2 Storyboards 5](#_Toc133163822)

[3.0 Code and Program 20](#_Toc133163823)

[4.0 Conclusion 21](#_Toc133163824)

[5.0 Workload Summary 22](#_Toc133163825)

[6.0 Appendices 22](#_Toc133163826)

# Introduction

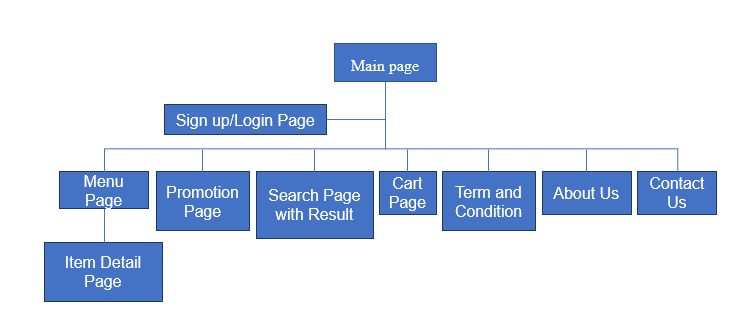
Burger ordering website offers a user-friendly platform where you can easily browse our menu, customize your order, and have it delivered right to your doorstep. The website is designed to make the ordering process fast and hassle-free, so you can satisfy your hunger cravings without any added stress.

The team is assigned to develop an online website as a project, customer can order the meals.

## 1.1 Project Background

The website is named ‘Burger Royale’. According to the scope of the project, the development team is going to develop an online website to order the burgers. The development of the project involves using various client-side and server-side languages. For page styling purposes, HTML and CSS are utilized, while JavaScript and AJAX are used to drive client-side events. On the other hand, the backend processes involve fetching data from and sending data to the server, which is facilitated by PHP and MySQL.

**Figure below is the planned site map for the website as a reference.**



Based on the figure, the website map shown starting from the main page as the website index page, which customer can sign up or login to the website. The main page can link to menu page, promotion page, search page, cart page (Popout dialog), Term and Condition, about us and contact us. Item Detail Page (Popout dialog) can only access when customer click on the burger picture.

## 1.2 Tools

The tools used in the project:

1. **IntelliJ IDEA and Visual Studio Code** as the editor and IDE to build HTML, CSS, JavaScript and PHP code for Burger Royale Website.
2. **WhatsApp** as our communication tools to help facilitate easier code sharing and archive all code changes.
3. **phpMyAdmin** as the database to store data of Burger Royale Website, including product data, login data and so-on.
4. **Microsoft Office (Word and Excel)** as the main report, work distribution and documentation software for the project

# Project Design

## Flow Chart Diagram

## 2.2 Storyboards

*\*The final design may vary from the storyboard shown below. Please refer to the final project.*

1. Global Components (includes: header, footer, navigation side bar)

|  |
| --- |
| **Header** |
|  |

|  |
| --- |
| **Footer** |
|  |

|  |  |
| --- | --- |
| **Navigation Side Bar** |  |

Based on the Figure, Global Components contains 3 components: header, footer and navigation side bar. Global components are applied to almost 99% page on Burger Royale Website. The component functions are as follow:

* + **Header** is placed in top of the page and acts as the main navigator to home page, menu pages, login page and cart page (popout dialog). On the other hand, customer can search the meals from this header whenever they wish to.
  + **Footer** is placed at the bottom of the page as a copyright. It also can link to *about us, contact us and term and condition page*
  + **Navigation Side Bar** has same function with the footer.

*\*The Global components can access all pages of the website which has same concept to the navigation menu*

1. Sign up Page

|  |
| --- |
| Graphical user interface, website  Description automatically generated |

*Figure: Sign up Page*

This page allows new user to input their username, email and password which will then be stored in database.

* If the same username existed in the database, the page would alert the user that their username has been registered with other account and direct them back to signup page.
* If the same condition occurred on email, the page would also alert the user that their email has been registered with other account.
* If both situations happened simultaneously, the page would alert the user that their username and email has been registered with other account.
* If username and email did not match any data in database, the page would alert ‘New account created’ and directs the user to homepage.

1. Login Page

|  |
| --- |
| Graphical user interface, website  Description automatically generated |

*Figure: Login Page*

Figure: Login page shows the login page displayed when the user attempt to log in using their email and password. If the user entered the correct email and password that matches the data in database, they will be directed to home page.

For new users that have not yet registered, there is also a signup button which will direct them to signup page.

1. Logout Page

|  |
| --- |
| Graphical user interface, application  Description automatically generated |

*Figure Logout Page*

Figure Logout page shows the logout page when a log in user attempts to log out. The page allows the user to login again which they will be directed to login page, or they can choose to continue using the website without logging in.

1. Home page

|  |
| --- |
|  |

*Figure: Home Page*

The figure above shows the homepage which is the first page when the users enter the website. There is also a header to navigate to the other page such as the promotion page and menu page. More details information about the header is available in the Global Components parts in our storyboard.

There is an automation slideshow (aka carousel) on our homepage which is displaying some images about our products, and it will change the images automatically with the interval time of 5 seconds. There are also the previous button and next button to allow users to manually click and change to the next or previous images. However, this slideshow is clickable, and users will redirect to the menu page after they clicked any images of the slides show.

The item below the slideshow is a container that provides some brief about our story. If the user clicks the ‘Read Our Story’ button, then they will redirect to the About Page to read the full story.

Below the story briefing part, it is showing and lets the user know that we are also on the application, and they can choose and click the button according to their smartphone’s operating system. There are available on Google Play, App Store and Huawei AppGallery. When the user clicks on it, they will redirect to the 3rd party website to download our application.

There is also a footer and more details information about the footer is also available in Global Components parts in our storyboard.

1. Promotion Page

|  |
| --- |
| A screenshot of a menu  Description automatically generated with low confidence |

*Figure: Promotion Page*

Figure 6 shows the promotion page from Burger Royale shop from the header if the page. The web page contains a header name “Offers & Rewards”, and it contains all the offers from our Burger Royale shop.

|  |
| --- |
| A screenshot of a phone  Description automatically generated with low confidence |

*Figure: Effects of placing the cursor to one of the offers.*

Figure 7 shows the effects of placing a cursor to one of the offers. When the user places the cursor to one of the offers, the offer’s name and description will be showed in the bottom of the image.

1. Menu page

|  |
| --- |
| Graphical user interface, website  Description automatically generated |

*Figure: Menu Page*

On the menu page, there have the selection at the top right corner to allow the users to select whether they want breakfast menu or regular menu, both having different items.

There is also a sub navigation bar to allow users to choose the category of the items such as Limited Time Only, Box Meals, Burger & Twister and beverages. When users clicked the navigation, the system will navigate and scroll down or up the page to locate the items according to the category selected.

Besides, all the items also are clickable to add to the cart. More detailed information is available in item detail page part in our storyboard

1. Item Detail Page (Popout Dialog)

|  |
| --- |
|  |

*Figure: Item Detail Page (Popout Dialog)*

Figure: Item Detail Page (Popout Dialog) display when the user clicks on the burger picture in the menu page. The dialog contains burger name, image, prices, quantity, remarks for the order and add to cart button. User can add the meal to the cart from this dialog.

1. Cart Page (Popout Dialog)

|  |
| --- |
| Graphical user interface, application  Description automatically generated |

*Figure: Cart Page (Popout Dialog)*

The figure above is showing the cart which is a pop out dialog when the users clicked the cart icon on the header. In the cart, it will be showing the items that users added including the item name, quantity, subtotal and total after the users clicked add to cart option in the item detail page. Besides, the users are allowed to delete their items via tick the checkbox to select the items to be deleted and click the ‘Delete’ button, and the items will be deleted. The users also allow modifying their item quantity by clicking the ‘-’ or ‘+’ icon in the quantity column. When the users confirm their items, they can click the ‘Proceed to checkout’ button to proceed with their checkout process. The users can also click the cross button at the top right corner of the dialog to close this pop out dialog.

|  |
| --- |
| Graphical user interface, application  Description automatically generated |

*Figure: Order detail*

After the users clicked the ‘Proceed to checkout’ button, the next pop out dialog will be displayed. They can choose the option for dine in or take away. The users can fill in their first name, last name, phone number and home address. They can also provide some remarks for their orders. After they have filled in all the details, they can click the ‘Done’ button to complete their orders. Otherwise, they can go back to their cart to modify by clicking the ‘Back’ button at the top left corner of the dialog or they can also close this dialog by clicking the cross button at the top right corner.

After they clicked ‘Done’ button, a successful dialog will pop out to let the users know they have done their order.

1. Search Page

|  |
| --- |
| Graphical user interface, website  Description automatically generated |

*Figure: Search Page with result*

The figure above shows the search function on our webpage. The search function is located at the header. This allowed users to search for the items they want. The users are allowed to search by keywords and the system will display all the items when the item’s name included the keywords. If the items that the user searched for is available in our item list, the system will display all the result on the search page.

|  |
| --- |
| Graphical user interface, text  Description automatically generated |

*Figure: Search Page with no result*

The figure above is showing when the users search the items that do not include in our item list. Hence, there are no items found and no results to show, and the system will prompt the users that no matches are found and try a new search.

1. Contact Page

|  |
| --- |
|  |

*Figure: Contact Us Page*

Figure: Contact Us Page display when the user clicks ‘Contact Us’ in the footer or in the navigation side bar. The page contains various information to contact Burger Royale, such as telephone number, WhatsApp, email, Address information. It also allows user contact the shop directly through a form. User require to fill in their email address and Message to submit the form.

1. About Page

|  |
| --- |
|  |

*Figure: About Page*

Figure About Page shows the about page from Burger Royale shop which can be accessed from the footer or the navigation side bar. If the user enters this webpage, it will display a picture, a header in bold with name of ‘Burger Royale’ and a paragraph describe about the shop.

1. Term and Condition Page

|  |
| --- |
| Text  Description automatically generated |

*Figure: Term and Condition Page*

Figure shows the terms and condition of the Burger Royale shop which can be accessed from the footer or the navigation side bar. Delivery terms and conditions are displayed when user first enters this page. Other categories of terms and condition would also be displayed depends on the selection of user.

1. Admin Page

|  |
| --- |
| A screenshot of a computer  Description automatically generated with medium confidence |

*Figure Admin Page*

Figure 2 shows the admin page which can be accessed only by admin. User is not allowed to access this page. The page contains of a header name ‘Add Item’, four input fields, and two buttons. Four input field includes the item type, item name, unit price, and image name. Admin can choose from eight options for item type, which includes *‘bf\_limitedTimeOnly’, ‘rg\_limitedTimeOnly’, ‘bf\_boxMeals’, ‘rg\_boxMeals’, ‘bf\_burgerNTwister’, ‘rg\_burgerNTwister’, ‘bf\_beverages’, ‘rg\_beverages’.* The type of unit price is decimal, while the type of item name, and image name is varchar (50) and varchar (100). The two buttons are “Add Item’ and ‘Reset’.

|  |
| --- |
| A screenshot of a menu  Description automatically generated with medium confidence |

*Figure Example of entering Valid Item*

Figure 3 shows the example of admin entering a valid item and add the item to the menu page. If the admin enters the valid item, it will be able to create a new item in the menu page at the corresponding category. For example: if admin choose to create a new item name “*French Fries*” under category “*bf\_limitedTimeOnly*” with unit price of *RM 10.00* and image of “*french fries.png*”, the admin can see that there is a new item create under the category of ‘*bf\_limitedTimeOnly’*.

|  |
| --- |
| A screenshot of a menu  Description automatically generated with low confidence |

*Figure: Example of entering an invalid item (with invalid unit price)*

Figure 5 shows the example of admin entering an invalid item (with invalid unit price). If the admin enters the invalid item (with invalid unit price), it will not be able to create a new item in the menu page. For example: if admin choose to create a new item name “French Fries” under category “bf\_limitedTimeOnly” with unit price of “we” and image of “French fries.png”, the admin cannot see that there is a new item created inside the menu page. However, since the type of unit price that the admin entered is not decimal, so there will be error when creating the new item.

# 3.0 Code and Program

***Index.php (Main Page)***

***About Us***

* + ***Index.php***

***Admin***

* + ***addItem.php***
  + ***addNewItem.php***
  + ***database.sql***
  + ***index.php***
  + ***menu.sql***

***Cart***

* ***accessSessionByAction.php***
* ***addToCartModal.js***
* ***addToCartModal.php***
* ***cartModal.js***
* ***cartModal.php***
* ***closeSession.php***

***Contact***

* ***index.php***
* ***sendmsg.php***

***Images***

* ***\*Lots of image***

***Js***

* ***Index.js***

***Login***

* ***addNewClient.php***
* ***db.sql***
* ***index.php***
* ***login.php***
* ***logout.php***
* ***register.php***

***Menu***

* ***addToCartModal.js***
* ***addToCartModal.php***
* ***index.php***
* ***radioEvent.js***
* ***retrieveData.php***
* ***retrieveMenu.php***

***Promotion***

* ***index.php***

***Search***

* ***empty.php***
* ***index.php***

***Style***

* ***bootstrap-5.3.0-alpha3***
* ***js (file) – jquery-3.6.0.js***
* ***contact.css***
* ***homepage.css***
* ***index.css***
* ***login.css***
* ***promotion.css***
* ***style.css***

***Term and Condition***

* ***index.php***
* ***termCondition.js***

***Includes***

* ***Footer.php***
* ***Header.php***
* ***Offcanvas.php***
* ***Payment.php***
* ***Social\_media.php***

# 4.0 Conclusion

The team worked to build a website based on the storyboard design as presented above. The website is built with responsive design that is more optimised for mobile and tablet interfaces. Our team has put in countless hours of hard work and dedication to create a user-friendly platform that allows customers to browse and customize their perfect burger meals with ease. Through the use of various client-side and server-side programming languages, we have designed a website that delivers a seamless ordering experience. With features such as easy menu navigation, customized order options, the website has been designed to meet the needs of our customers. We hope that our website will provide a convenient and enjoyable experience for all our customers.

# Workload Summary

|  |
| --- |
|  |

*Distribution work of storyboard*

# Appendices