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INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
يونيورسيتي إسلام انتارابغسا ملسيا

(Company No. 101067-P)

Garden of Knowledge and Virtue

KULLIYYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY

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INFO 2302 SECTION 1

WEB TECHNOLOGIES

ONLINE FOOD ORDERING SYSTEM FOR THE IIUM COMMUNITY

FINAL REPORT

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Link to the video presentation: https://youtu.be/IKyalqoM2CU

PROJECT DESCRIPTION

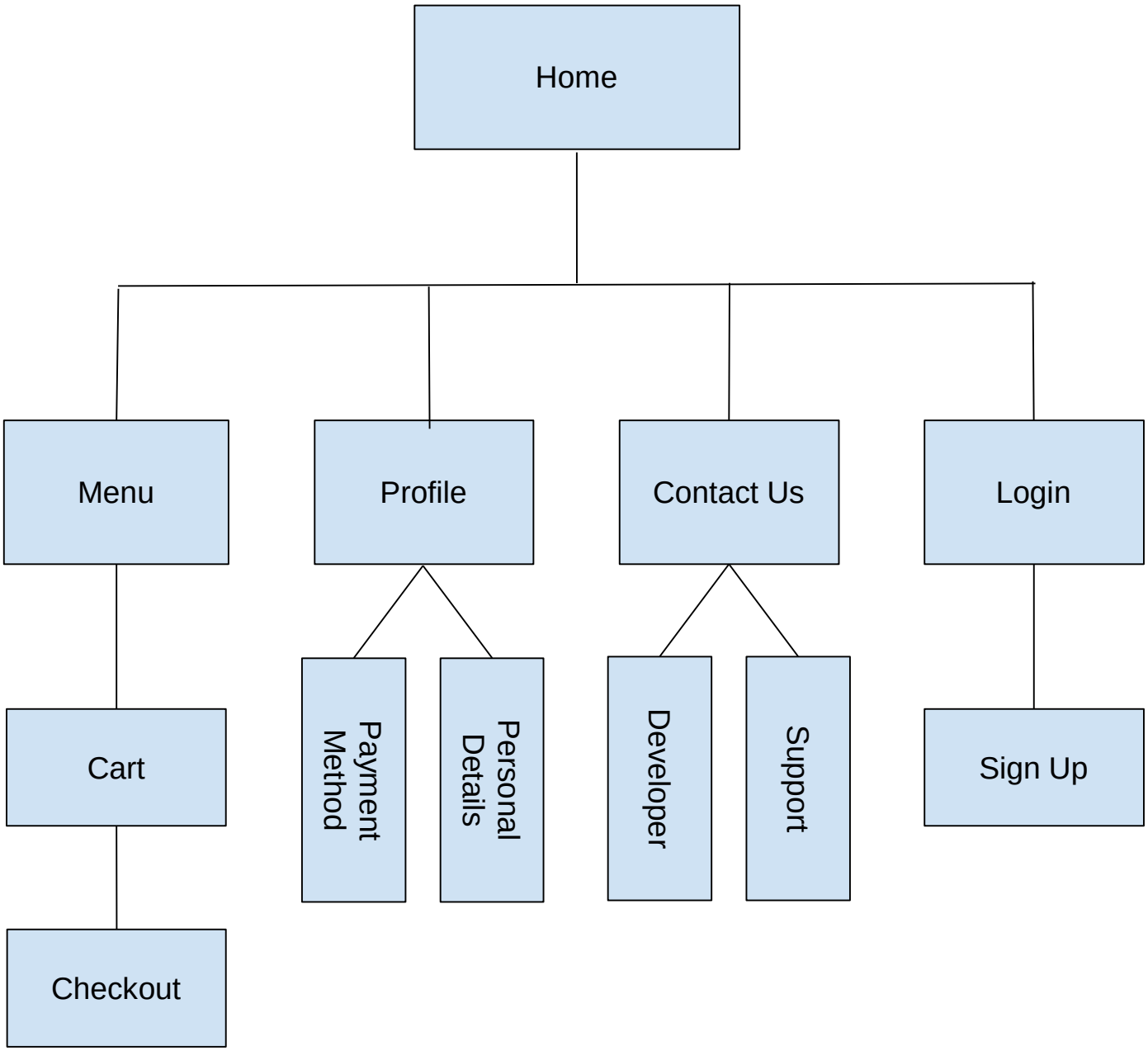
As an IIUM student or staff, have you ever been so busy that you were unable to find time to go to the cafeteria to buy food? Or you would like to minimize contact with other people, especially during this Covid-19 situation? Well that is what our project is about. In order to make it easier and safer for the IIUM community to buy their meals, we would like to propose an online food ordering system named iFoodie.

Due to the current Covid-19 situation, there is a need to minimize social contact and follow SOPs in order to curb the spread of the virus. One of the SOPs is to not gather in large numbers. With the current system of hand to hand payment in IIUM, social distancing is somewhat hard to implement. Customers wait at the stalls for the food to be prepared and in turn create long lines. It is safe to say that social distancing is rarely followed in these lines. These lines make crowds and this leads to neglect towards the SOPs made by the government. There is a need to update this traditional system of pay with an online approach.

With an online food ordering system, students and staff would be able to order food from the comfort of their rooms. The system would allow the customers to choose from a wide variety of foods and allow them to pay online and at delivery as well. They can also verify what they have ordered in the cart before proceeding to make the transaction. The system would also promote new offers from various vendors and increase sales. Customers would have to create a profile in order to log in and make a safe and secure transaction.

To gain the favor of many, we want to ensure that communication between the users and the developers are constantly present in order to improve and update the performance of the app. Hence, we will provide a medium of connection between these two parties via our contact page whereby users are given the option to either contact the customer support team or the developer, if by any chance they came up with a new idea that could be implemented within the app.

PROJECT SITE-MAP

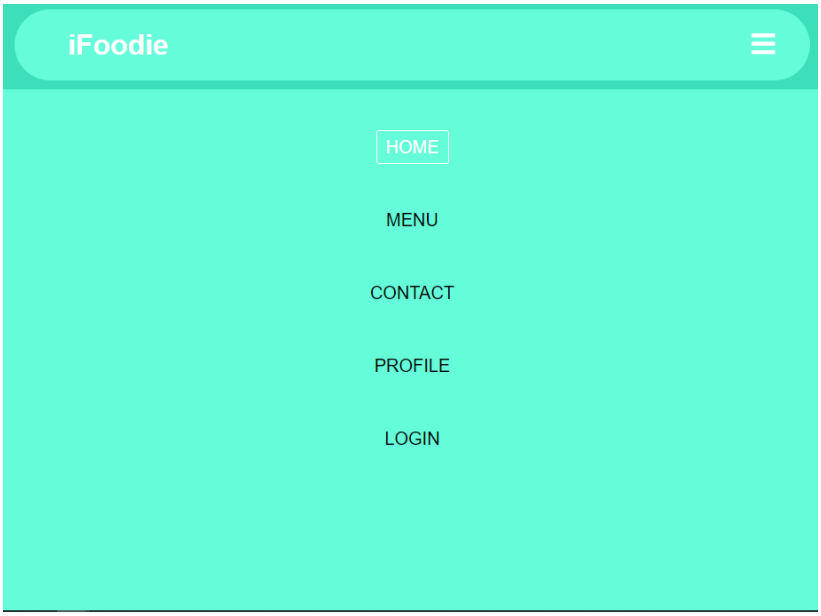


PROJECT SCREENSHOTS

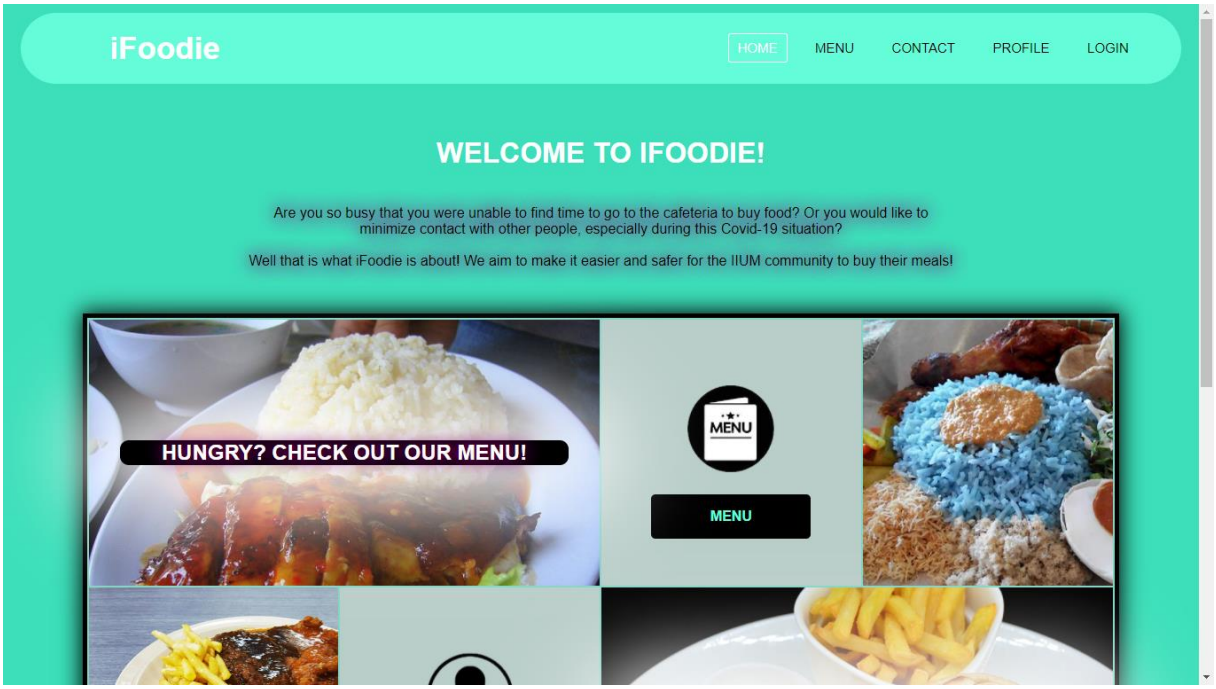
1. Navigation Bar

This is the navigation bar which is displayed at the top of all pages. It provides a link to all the other pages of our website. Links are highlighted with rectangular white box according to the page in which the user is currently in. For example, in the screenshots bellow, the user is in the Home page.

Another feature that we have implemented in our navigation bar is that it resizes according to the size of the screen or the window and display an icon which, when clicked, slides in a menu with the links to the other pages of the website.

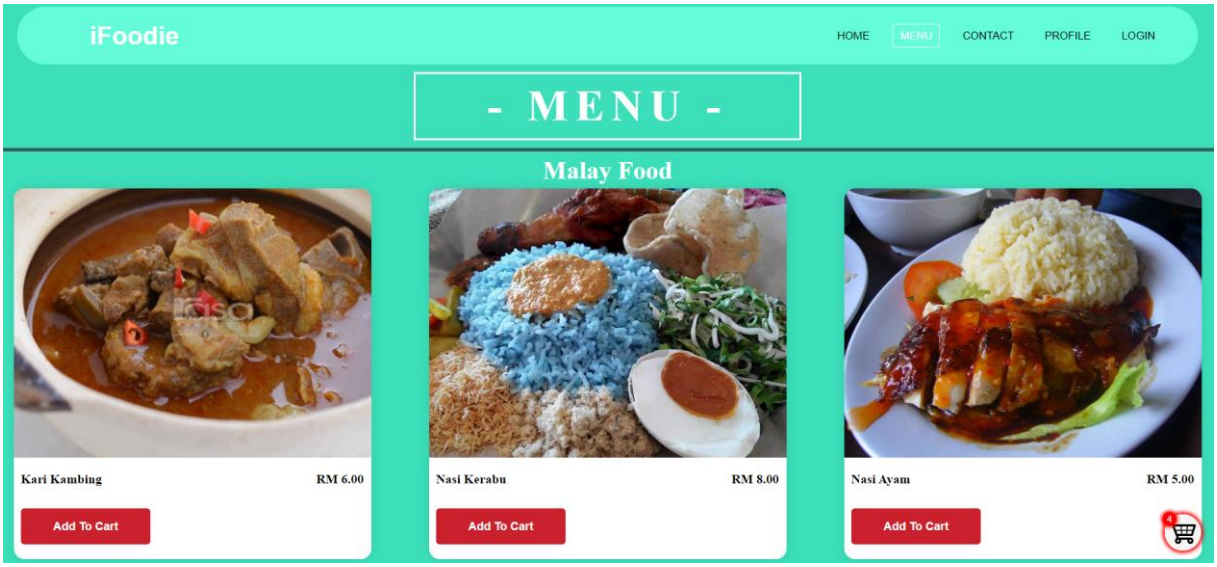


2. Home Page



The Home page welcomes the user and advertises the main pages of the website. Firstly, we have the “Menu” button which will take the user to the Menu page so that they may view all the items available. Then we have a “Sign Up” button which when clicked will take the user to the Sign Up page where they may create an account. Lastly, if there is something wrong or if they have any inquiries regarding iFoodie, the user may click the “Contact us” button in order to contact the developer.

3. Menu Page

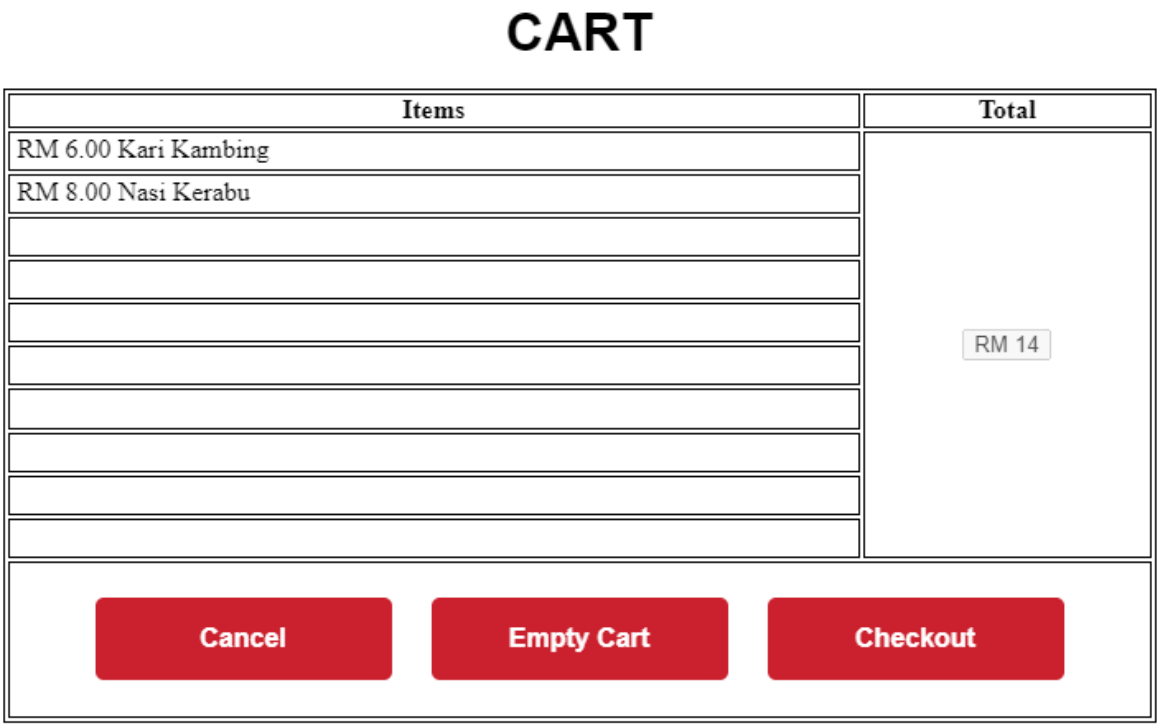


The Menu page will list all the items available for purchase along with their price at the side. The user can scroll down and select from the various categories. If they would like to order something, they can add it to their order from this page by clicking the "Add To Cart" button. It also has a cart pop-up that is fixed at the bottom-right of the screen which summarizes the user's orders.

Add to Cart - Button to add the selected food to the food cart.

Pop-up cart - Fixed icon at the bottom-right of the screen that the user may click to review their order. It also shows how many items the user has added to the cart.

4. Cart Pop-Up



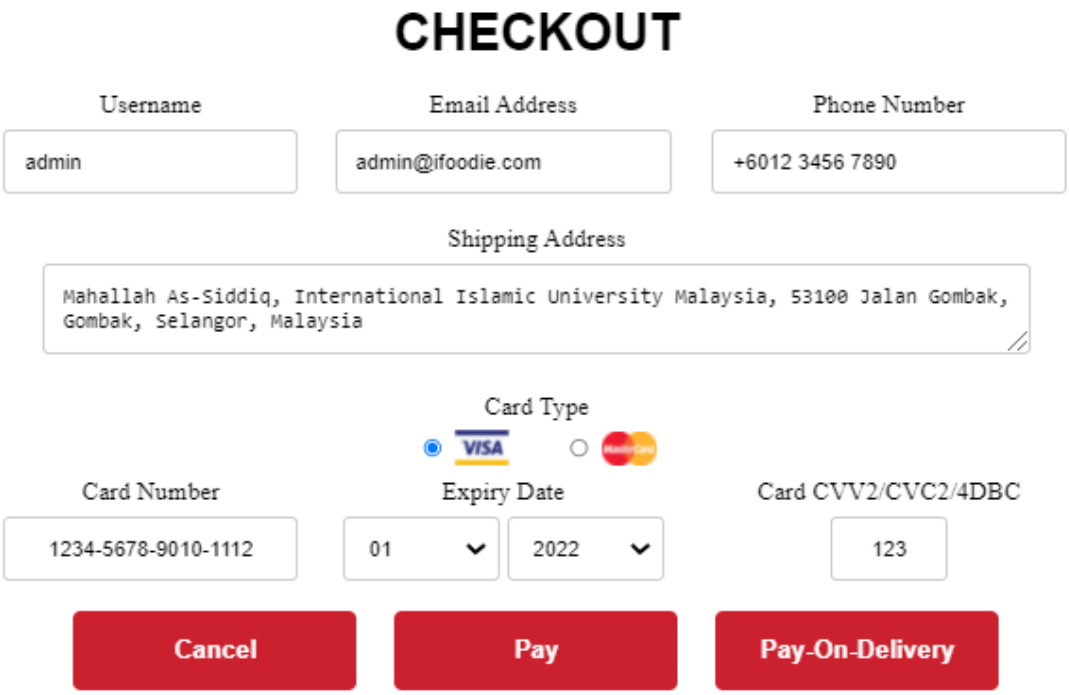
The cart pop-up will display all the items that the user wants to order. There are a number of options in this pop-up for the user to modify their order. This pop-up will display every item that has been added by the user along with their respective price.

Cancel: User can press this button to go back to the Menu and add more items.

Empty Cart: Once the user presses this button, the items added in the cart will be cleared completely.

Checkout: The last option in the cart pop-up, once the user presses this button, the checkout pop-up will be displayed.

5. Checkout Pop-Up



The checkout pop-up is to collect the necessary details about the user and then confirm the order. The user will be able to enter account details, address and the preferred mode of payment on this page.

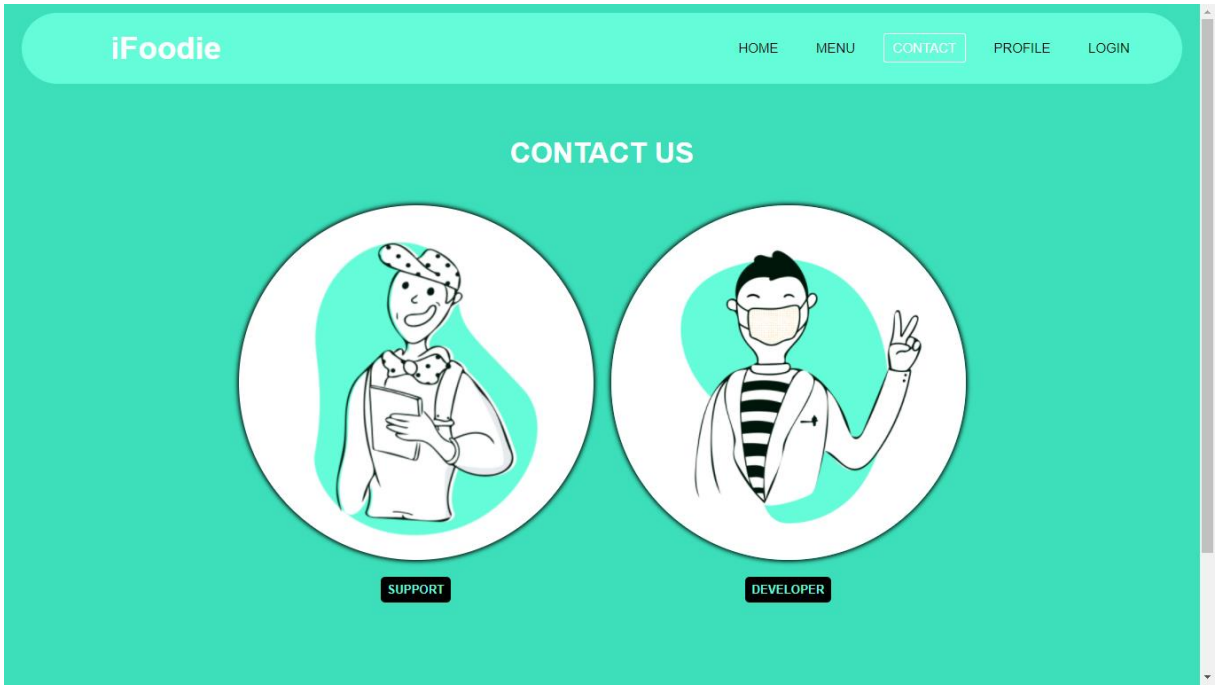
Cancel: This button will take the user back to the menu.

Pay: This button is for the user to pay for the item online using a credit/debit card.

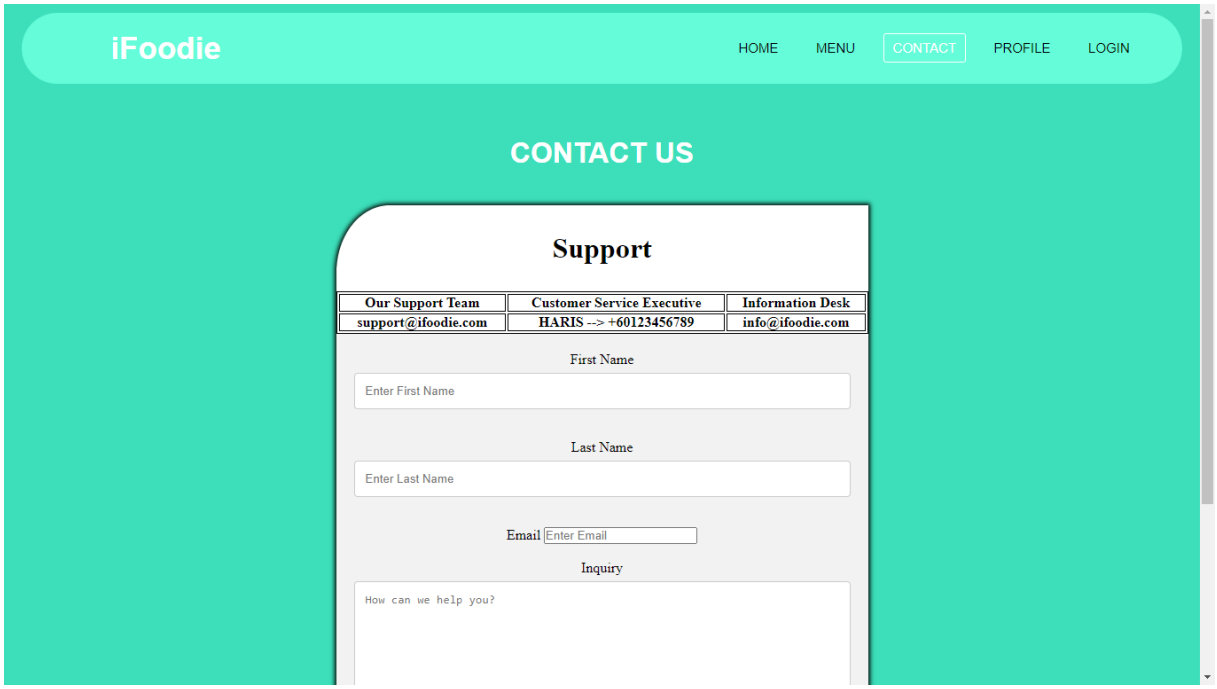
Pay-On-Delivery: If the user prefers to pay for the item on delivery, they may press this button and the order will be confirmed without the online payment.

6. Contact Us Page

The contact page consists of two contact-route options for users; the support team and the developer team. Its purpose is to assist users with any inquiries or concerns they may have regarding our service. In addition, we also made it possible for users to interact with us, the developers, in order for them to provide any feedback or constructive criticism regarding the overall application itself.

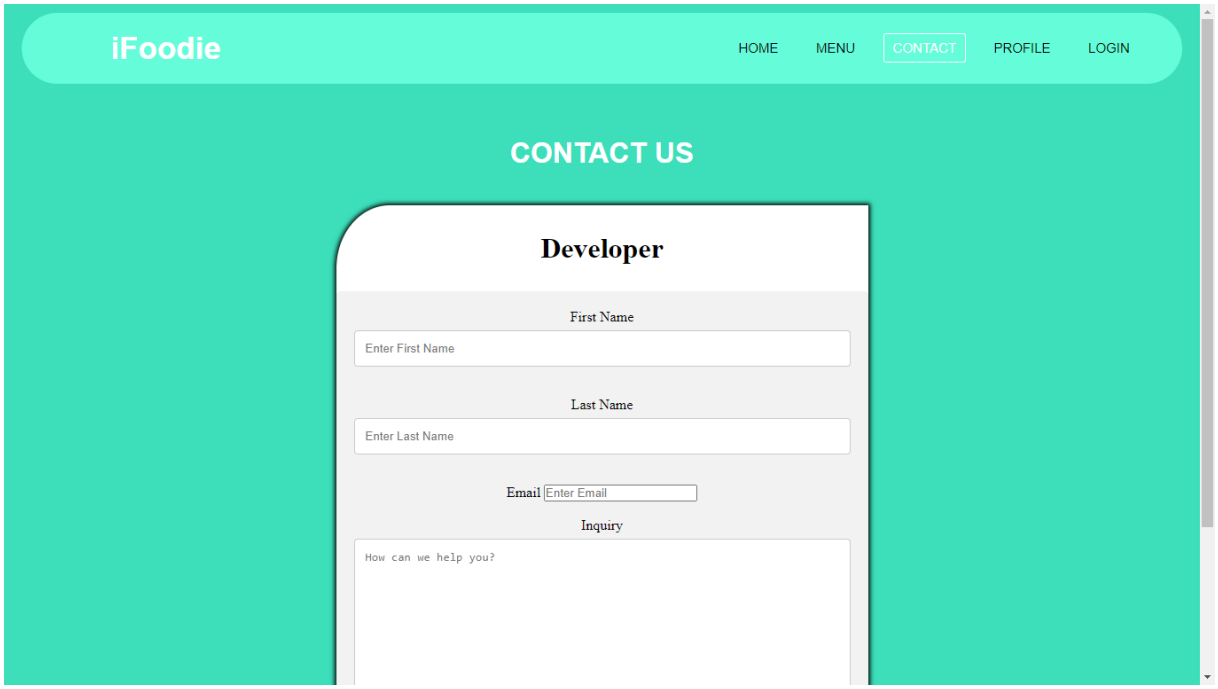


1. Support Route



Users may contact the support team regarding matters of our service. The customer service executive will be available for contact as well providing users with not one, but two options mainly email & direct calling.

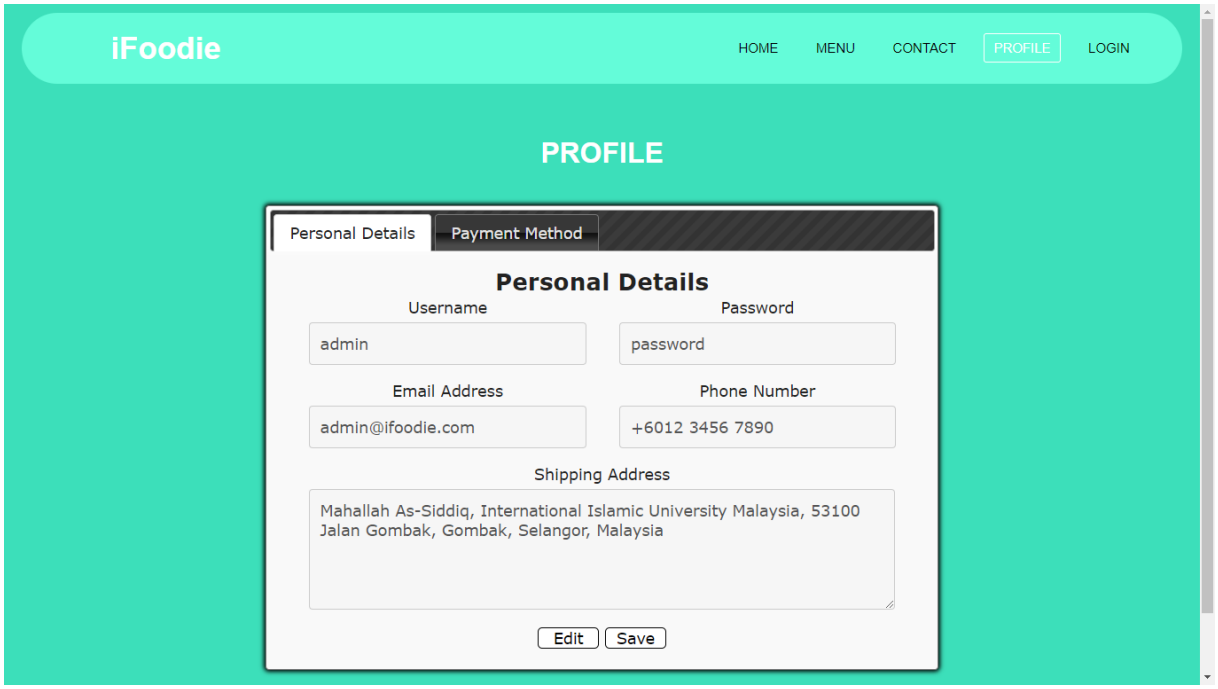
2. Developer Route



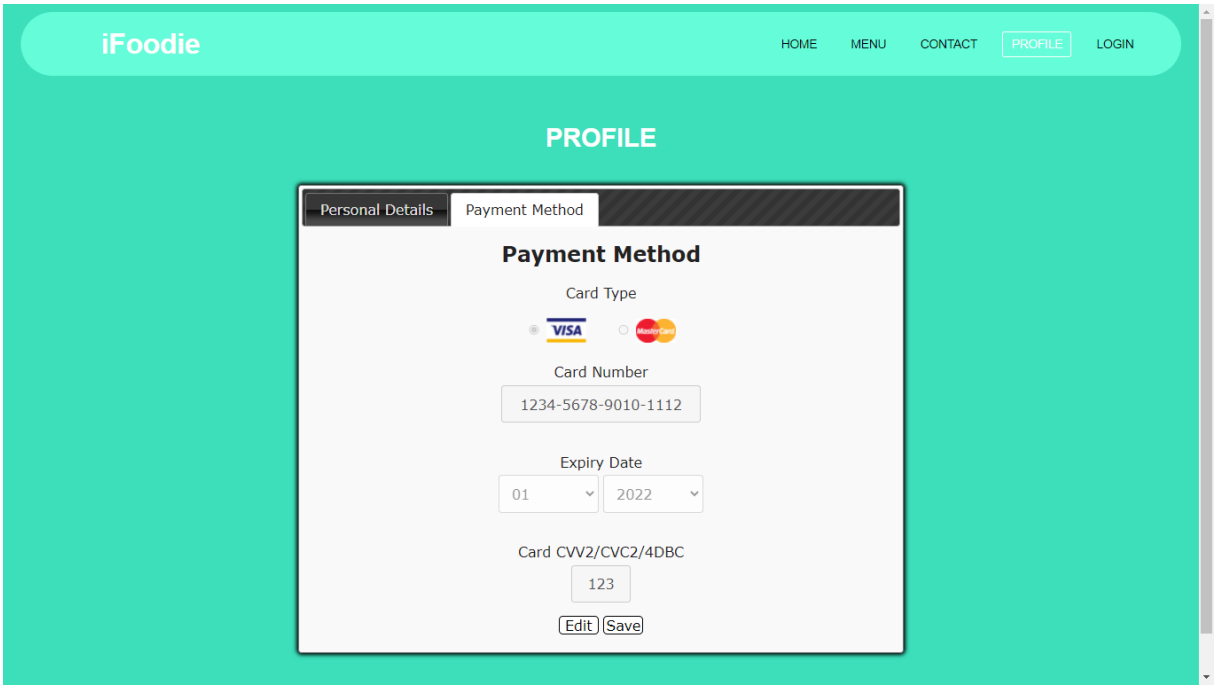
Users have the option to voice out their feedback and opinions regarding how the application could improve as a whole. The reason why we require this feature is because we need to ensure users are satisfied and content with the information they are confronted with. After all, outstanding customer experience is what we strive for.

7. Profile Page

The Profile page includes 2 tabs, the Personal Details tab and the Payment Method tab.

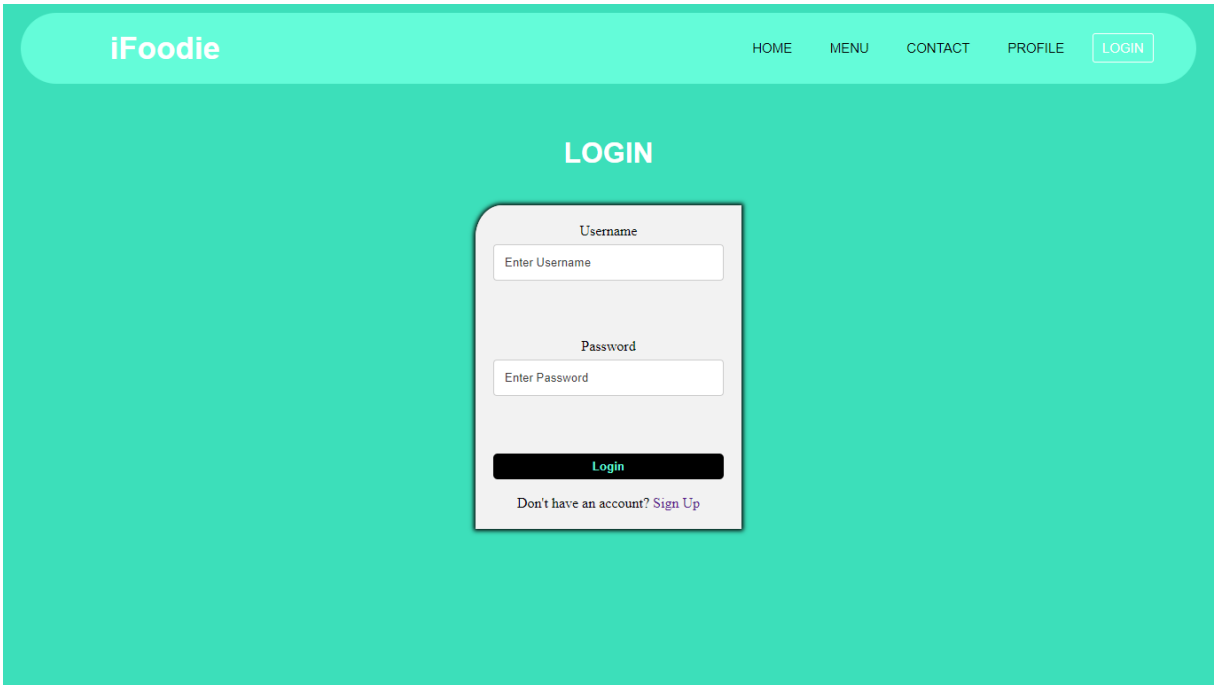


The first tab is for viewing Personal Details, where the user is meant to edit their Username, Password, Email Address, Phone Number and Shipping Address, and save their changes. However, changes are not saved as this requires writing to a database, which is above our level. For now, the “Edit” button just enables the user to edit the input fields, and the “Save” button disables editing.

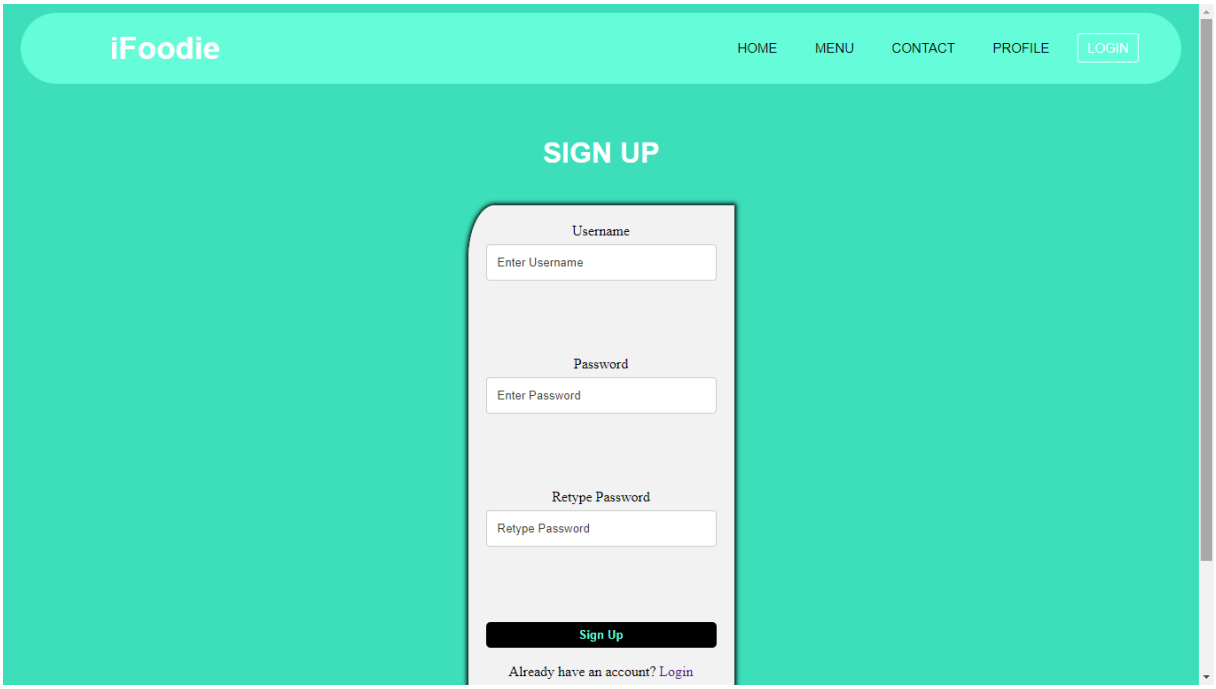


On the second tab, which is for viewing Payment Method, the user is meant to edit their bank card details and save them accordingly. Again, changes are not actually saved. “Edit” and “Save” buttons do the same thing as in the Payment Details tab.

8. Login & Sign Up Page



This is the Login page where the user is meant to log in using their Username and Password. Error messages are meant to appear if they are invalid. If they do not have an account yet, they may click “Sign Up” which will then lead to the Sign Up page. Only an administrator’s account is available for now. Its Username is “admin” and Password is “password”. If these are entered incorrectly, the error messages will appear. If login is successful, the user will be taken to the Home page.



This is the Sign Up page where the user is meant to create a new account. Again, to create actual accounts, writing to a database is needed. The working functions of this page include: displaying error messages if fields are blank or invalid and transferring the user to the Home page upon a successful sign up. However, if the user already has an account, they may click the "Login" link which will transfer them to the Login page.

APPENDIX: PROJECT MOCK-UP VS ACTUAL PROJECT

Project Mock-Up	Actual Project
Initial Project Description.	Project Description revised.
Initial Project Site-Map.	Project Site-Map updated.
Menu page and Cart page are separate.	Cart page removed.
Navigation bar includes “Cart”.	Navigation bar does not include “Cart”.
Menu page has no pop-ups.	Menu page has a cart and checkout pop-up.
Colours most used: black, white and #64fcd9.	Colours most used: black, white, #64fcd9, #3cdfba and #cb202d.