# Testing

## Black Box Testing

Black box testing is performed on sign up as customer user.

Execution of test cases and documentation of result manually

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case** | **Username** | **Email** | **Password** | **Re-enter Password** | **Expected Output** | **Actual Output** |
| 1 | customerboy | customerboy.gmail.com | sc2006cust | sc2006cust | Invalid Email | Invalid Email |
| 2 | customerboy | customer.boy@gmail.com | 1234 | 1234 | Password too short | Password too short |
| 3 | customerboy | customer.boy@gmail.com | sc2006cust | sc2006cust | Account successfully created | Account successfully created |
| 4 | customerboy | customer.boy@gmail.com | !2006asqw | !2006asqw | Duplicate account not created | Duplicate account not created |

## White Box Testing

Basis path testing is performed on our **search hawker stalls based on filters function**.

Control Flow Graph (CFG)

Diagram

Description automatically generated

Cyclomatic Complexity

CC = |deicison nodes| + 1 = 2 + 1 = 3

Basis Paths

1. 1, 2, 3
2. 1, 2, 4, 5, 6, 7
3. 1, 2, 4, 5, 6, 8

Test Cases

|  |  |  |
| --- | --- | --- |
| **Path** | **Input** | **Output** |
| I | “ ” | No result |
| II | “rice” | List of stalls sell rice |
| III | “car” | No result |

Code Implementation

Text

Description automatically generated

# 2. Demo Script

**Customer Profile:**

Now let me show how a customer user can use the app. So I will first we create a customer account with username (name) and let the email be (name)@gmail.com. According to the previous attempt, the password need to be mixed of number and alphabet. Let’s set the password as sc2006cust and re enters the password again. So now we have the user account being created and let us try to login using this account.

So we enter (name) for the username and let us try to key in a wrong password. This will prompt the user an error message. Now let us enter the correct password and now we have login to the customer profile. So the first thing that will come into the user’s view is the homepage. We have a search bar on our homepage. We also have a list of food categories and also a list of top hawker centres. Furthermore, user can also have a look at the latest review posted by the other users.

Let us explore the feature of top hawker centres first. So users can scroll through the hawker centres and look for interested hawker centres. Let us try out newton food centre. After clicking into the hawker centre, it will show a list of available food stalls in the specific hawker centre. From here, we can see that the food stall added by hawkerman just now is showed under here. Let us click into the stall to find out more about the stall. Under the stall page, users can have a look on the stall menu and also reviews of the stalls. As this stall is just added so there isnt any review yet so let us leave a review for the stall. Users are required to give an input for every section if not the review form will prompt the users to fill in the field. After submitting the review, it will be shown on the stall profile page. Furthermore, user can click the find me button in order to get navigation to the specific hawker centre. After clicking, users will be directed to google map.

Now let us go back to the homepage. For the review section, user can scroll through the reviews and click on any reviews and this will direct the users to the stall page which is mentioned in the review.

Now let us try out the search bar. Users can either search by hawker centre or by food. Let us try to search by hawker centre first. For example, we can try to find hawker centre in pasir ris. The search results will show the list of stalls available in the hawker centre in pasir ris with rating and review being shown. Now let us try change the filter to food and search the keyword rice. This will shows all the stalls that are selling rice. If users key in unrelated keywords, for example, car, then no result will be shown.

Next let us move on to the food categories. If users feel like having seafood today then they can click into seafood and it will show list of stall selling seafood. If users click on drinks then the result will be lists of drink stores.

Furthermore, every users will have their unique profile. Under the profile it will shows the reviews being posted by the users.