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# Sprint 1

## Unit Testing

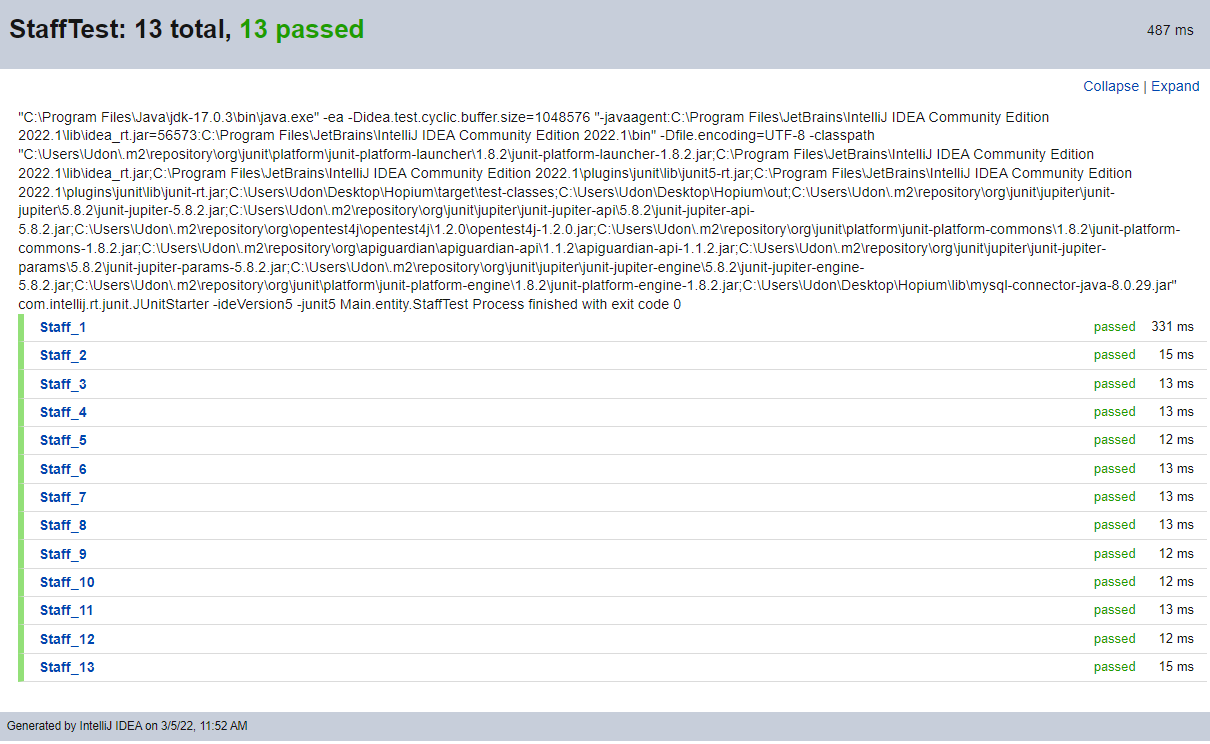
### Summary of JUnit 5 Test files

|  |  |
| --- | --- |
| Test Case File Name | Purpose |
| StaffTest.java | To test the functions inside the Staff class |

### Results

**StaffTest**

|  |  |  |  |
| --- | --- | --- | --- |
| Test ID | Test Case | Expected Result | Actual Result |
| Staff\_1 | Login with valid User Admin credentials | True | True |
| Staff\_2 | Login with invalid User Admin credentials | False | False |
| Staff\_3 | Login with valid User Admin but wrong profile | False | False |
|  | | | |
| Staff\_4 | Login with valid Manager credentials | True | True |
| Staff\_5 | Login with invalid Manager credentials | False | False |
| Staff\_6 | Login with valid Manager but wrong profile | False | False |
|  |  |  |  |
| Staff\_7 | Login with valid Staff credentials | True | True |
| Staff\_8 | Login with invalid Staff credentials | False | False |
| Staff\_9 | Login with valid Staff but wrong profile | False | False |
|  | | | |
| Staff\_10 | Login with valid Owner credentials | True | True |
| Staff\_11 | Login with invalid Owner credentials | False | False |
| Staff\_12 | Login with valid Owner but wrong profile | False | False |
|  | | | |
| Staff\_13 | Create database connection object | True | True |



Staff Class Junit 5 output

## Front End Testing

### Test Case Results and Screenshots

#### User Story #1

|  |  |
| --- | --- |
| **Test Case 1.1 – Login with valid User Admin credentials** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in valid credentials (user\_admin1 for both fields) 4. Select ‘User Admin’ in profile dropdown menu 5. Click ‘Login’ button |
| **Expected Results** | Logged in and User Admin homepage displayed |
| **Actual Results** | Logged in and User Admin homepage displayed |
| **Test Case 1.2 – Login with invalid User Admin credentials** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in invalid credentials (user\_admin0 for both fields) 4. Select ‘User Admin’ in profile dropdown menu 5. Click ‘Login’ button |
| **Expected Results** | Failed Login |
| **Actual Results** | Failed Login |
| **Test Case 1.3 – Login with valid User Admin credentials but wrong profile** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in valid credentials (user\_admin1 for both fields) 4. Select wrong profile in the profile dropdown menu (Restaurant Manager selected) 5. Click ‘Login’ button |
| **Expected Results** | Failed Login |
| **Actual Results** | Failed Login |

|  |  |
| --- | --- |
| Screenshots for User Story #1 | |
| Login page with valid credentials | Login page with invalid credentials |
| Error message with invalid credentials | User admin homepage after login |

#### User Story #2

|  |  |
| --- | --- |
| **Test Case 2.1 – Log out from the User Admin account** | |
| **Steps** | 1. While in the User Admin homepage, click the log out button |
| **Expected Results** | Logged out and returned to the login page |
| **Actual Results** | Logged out and returned to login page |

|  |  |
| --- | --- |
| Screenshots for User Story #2 | |
| Pressing Logout from homepage | Returned to login page |

#### User Story #13

|  |  |
| --- | --- |
| **Test Case 13.1 – Login with valid Restaurant Manager credentials** | |
| **Steps** | 1. Start Application 2. Click 'Staff' button 3. Type in valid username and password (manager1 for both fields) 4. Select Restaurant Manager in the profile login dropdown menu 5. Click 'Login' button |
| **Expected Results** | Logged in and Restaurant Manager homepage displayed |
| **Actual Results** | Logged in and Restaurant Manager homepage displayed |
| **Test Case 13.2 – Login with invalid Restaurant Manager credentials** | |
| **Steps** | 1. Start Application 2. Click 'Staff' button 3. Type in invalid username and password (manager0 for both fields) 4. Select Restaurant Manager in the profile login dropdown menu 5. Click 'Login' button |
| **Expected Results** | Failed Login |
| **Actual Results** | Failed Login |
| **Test Case 13.3 – Login with valid Restaurant Manager credentials but wrong profile** | |
| **Steps** | 1. Start Application 2. Click 'Staff' button 3. Type in valid username and password (manager1 for both fields) 4. Select wrong profile in the profile login dropdown menu (User Admin selected) 5. Click 'Login' button |
| **Expected Results** | Failed Login |
| **Actual Results** | Failed Login |

|  |  |
| --- | --- |
| Screenshots for User Story #13 | |
| Login page with valid credentials | Login page with invalid credentials |
| Error message with invalid credentials | Restaurant Manager homepage after login |

#### User Story #14

|  |  |
| --- | --- |
| **Test Case 14.1 – Log out from the Restaurant Manager account** | |
| **Steps** | 1. While in the Restaurant Manager homepage, click the log out button |
| **Expected Results** | Logged out and returned to the login page |

|  |  |
| --- | --- |
| Screenshots for User Story #14 | |
| Pressing Logout from homepage | Returned to login page |

#### User Story #20

|  |  |
| --- | --- |
| **Test Case 20.1 – Login with valid Restaurant Staff credentials** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in valid credentials (user1 for both fields) 4. Select ‘Restaurant Staff’ in profile dropdown menu 5. Click ‘Login’ button |
| **Expected Results** | Logged in and Restaurant Staff homepage displayed |
| **Actual Results** | Logged in and Restaurant Staff homepage displayed |
| **Test Case 20.2 – Login with invalid Restaurant Staff credentials** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in invalid credentials (user0 for both fields) 4. Select ‘Restaurant Staff’ in profile dropdown menu 5. Click ‘Login’ button |
| **Expected Results** | Failed Login |
| **Actual Results** | Failed Login |
| **Test Case 20.3 – Login with valid Restaurant Staff credentials but wrong profile** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in valid credentials (user1 for both fields) 4. Select wrong profile in the profile dropdown menu (User Admin selected) 5. Click ‘Login’ button |
| **Expected Results** | Failed Login |
| **Actual Results** | Failed Login |

|  |  |
| --- | --- |
| Screenshots for User Story #20 | |
| Login page with valid credentials | Login page with invalid credentials |
| Error message with invalid credentials | Restaurant Manager homepage after login |

#### User Story #21

|  |  |
| --- | --- |
| **Test Case 21.1 – Log out from the Restaurant Staff account** | |
| **Steps** | 1. While in the Restaurant Staff homepage, click the log out button |
| **Expected Results** | Logged out and returned to the login page |
| **Actual Results** | Logged out and returned to the login page |

|  |  |
| --- | --- |
| Screenshots for User Story #21 | |
| Pressing Logout from homepage | Returned to login page |

#### User Story #35

|  |  |
| --- | --- |
| **Test Case 35.1 – Login with valid credentials** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in valid credentials (owner1 for both fields) 4. Select ‘Restaurant Owner’ in profile dropdown menu 5. Click ‘Login’ button |
| **Expected Results** | Logged in and Restaurant Owner homepage displayed |
| **Actual Results** | Logged in and Restaurant Owner homepage displayed |

|  |  |
| --- | --- |
| **Test Case 35.2 – Login with invalid credentials** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in invalid credentials (owner0 for both fields) 4. Select ‘Restaurant Owner’ in profile dropdown menu 5. Click ‘Login’ button |
| **Expected Results** | Failed Login |
| **Actual Results** | Failed Login |

|  |  |
| --- | --- |
| **Test Case 35.3 – Login with valid credentials but wrong profile** | |
| **Steps** | 1. Start application 2. Click ‘Staff’ button 3. Type in valid credentials (owner1 for both fields) 4. Select wrong profile in the profile dropdown menu (User Admin selected) 5. Click ‘Login’ button |
| **Expected Results** | Failed Login |
| **Actual Results** | Failed Login |

|  |  |
| --- | --- |
| Screenshots for User Story #35 | |
| Login page with valid credentials | Login page with invalid credentials |
| Error message with invalid credentials | Restaurant Owner homepage after login |

#### User Story #36

|  |  |
| --- | --- |
| **Test Case 36.1 – Log out from the Restaurant Owner account** | |
| **Steps** | 1. While in the Restaurant Owner homepage, click the log out button |
| **Expected Results** | Logged out and returned to the login page |
| **Actual Results** | Logged out and returned to the login page |

|  |  |
| --- | --- |
| Screenshots for User Story #36 | |
| Pressing Logout from homepage | Returned to login page |

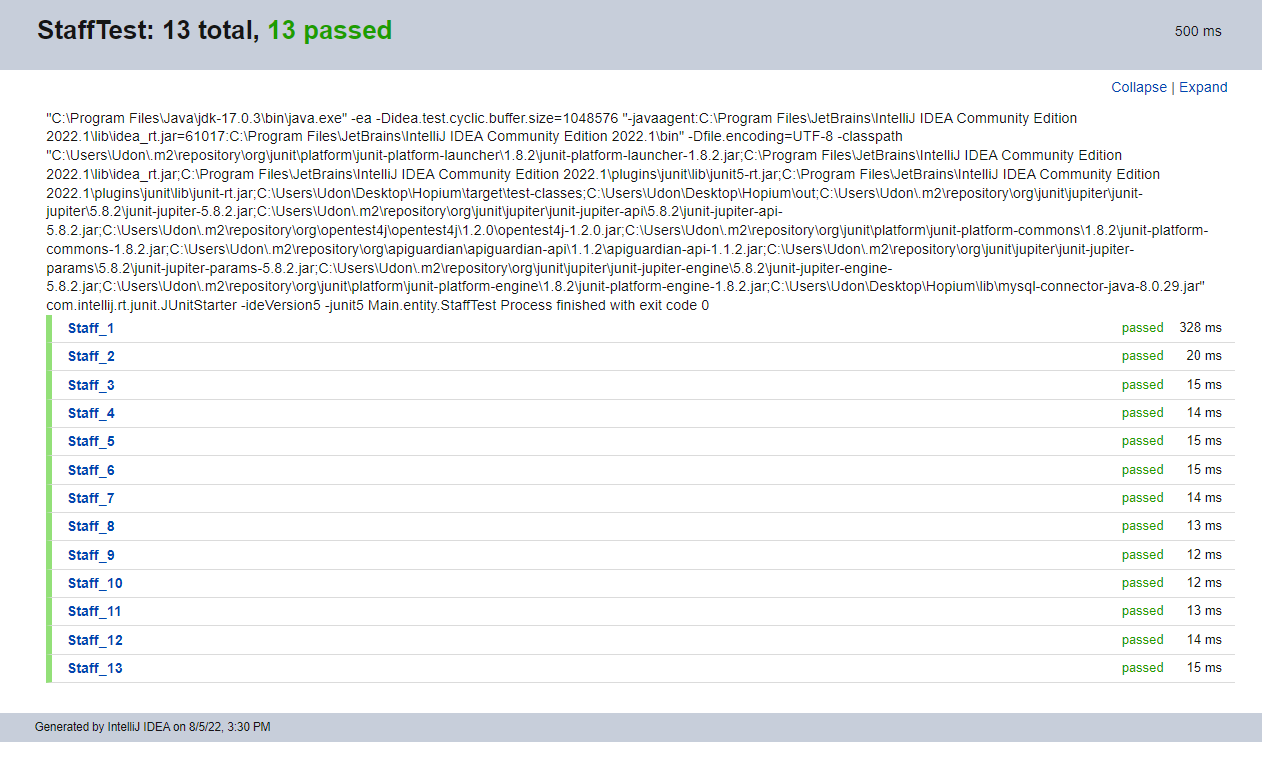
# Sprint 2

## Unit Testing

### Summary of JUnit 5 Test files

|  |  |
| --- | --- |
| Test Case File Name | Purpose |
| StaffTest.java | To test the functions inside the Staff class |
| User\_Admin.java | To test the functions inside the User\_Admin class |

### Results

**StaffTest**

|  |  |  |  |
| --- | --- | --- | --- |
| Test ID | Test Case | Expected Result | Actual Result |
| Staff\_1 | Login with valid User Admin credentials | True | True |
| Staff\_2 | Login with invalid User Admin credentials | False | False |
| Staff\_3 | Login with valid User Admin but wrong profile | False | False |
|  | | | |
| Staff\_4 | Login with valid Manager credentials | True | True |
| Staff\_5 | Login with invalid Manager credentials | False | False |
| Staff\_6 | Login with valid Manager but wrong profile | False | False |
|  |  |  |  |
| Staff\_7 | Login with valid Staff credentials | True | True |
| Staff\_8 | Login with invalid Staff credentials | False | False |
| Staff\_9 | Login with valid Staff but wrong profile | False | False |
|  | | | |
| Staff\_10 | Login with valid Owner credentials | True | True |
| Staff\_11 | Login with invalid Owner credentials | False | False |
| Staff\_12 | Login with valid Owner but wrong profile | False | False |
|  | | | |
| Staff\_13 | Create database connection object | True | True |

Staff Class Junit 5 output

**User\_Admin**

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Test Case | Expected Result | Actual  Result |
| User\_Admin\_1 | Create new account | True | True |
| User\_Admin\_2 | Edit an account | True | True |
| User\_Admin\_3 | Get information from database | True | True |
| User\_Admin\_4 | Search for accounts | True | True |
| User\_Admin\_5 | Suspend an account | True | True |

UserAdmin Class Junit 5 output

## Front End Testing

### Test Case Results and Screenshots

|  |  |
| --- | --- |
| **Test Case 3.2 – Create with existing credentials** | |
| **Steps** | 1. Login to User Admin account 2. Click the ‘Create’ button 3. Type in duplicate user account details 4. Click the ‘Create Account’ button |
| **Expected Results** | The program will show a window telling the user that the account already exists |
| **Actual Results** | The program will show a window telling the user that the account already exists |
| **Test Case 3.3 – Create with missing credentials** | |
| **Steps** | 1. Login to User Admin account 2. Click the ‘Create’ button 3. Type only username or password or neither 4. Click the ‘Create Account’ button |
| **Expected Results** | The program will show a window telling the user that fields should not be left empty |
| **Actual Results** | The program will show a window telling the user that fields should not be left empty |

#### User Story #3 and #8

|  |  |
| --- | --- |
| **Test Case 3.1 – Create with new credentials** | |
| **Steps** | 1. Login to User Admin account 2. Click the ‘Create’ button 3. Type in new user account details 4. Click the ‘Create Account’ button |
| **Expected Results** | The program will show a window telling the user a new account is created |
| **Actual Results** | The program will show a window telling the user a new account is created |

|  |  |
| --- | --- |
| Screenshots for User Story #3 and #8 | |
| Create page after ‘create’ button pressed | Message after new account created |
| Message when trying to create existing account | Message when trying to create with empty fields |

#### User Story #4 and #9

|  |  |
| --- | --- |
| **Test Case 4.1 – Edit User Account** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘Edit’ button 3. Select a User Account 4. Modify the details in the fields 5. Click ‘Edit Changes’ button |
| **Expected Results** | The program will show a window telling the user that the edits are saved |
| **Actual Results** | The program will show a window telling the user that the edits are saved |
| **Test Case 4.2 – Edit details without selecting user** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘Edit’ button 3. Modify the details without selecting user 4. Click ‘Edit Changes’ button |
| **Expected Results** | The program will warn the user that the account does not exist |
| **Actual Results** | The program will warn the user that the account does not exist |
| **Test Case 4.3 – Edit with empty fields** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘Edit’ button 3. Select a User Account 4. Clear the username, password, user profile fields 5. Click ‘Edit Changes’ button |
| **Expected Results** | The program will warn the user that there are empty fields |
| **Actual Results** | The program will warn the user that there are empty fields |

|  |  |
| --- | --- |
| Screenshots for User Story #4 and #9 | |
| Edit page after ‘Edit’ button is pressed | Message after account is edited |
| Error message with empty fields | Error message when enter non-existent user details by not selecting user first |

#### User Story #5 and #10

|  |  |
| --- | --- |
| **Test Case 5.1 – Search for existing user by Username** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘View’ button 3. Type an existing username 4. Click ‘Search by Username’ button |
| **Expected Results** | The program will show the list of user accounts that match the criteria |
| **Actual Results** | The program will show the list of user accounts that match the criteria |
| **Test Case 5.2 – Search for non-existent user by Username** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘View’ button 3. Type a non-existing username 4. Click ‘Search by Username’ button |
| **Expected Results** | The program will show an empty list |
| **Actual Results** | The program will show an empty list |

|  |  |
| --- | --- |
| **Test Case 5.3 – Search for existing user by Username** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘View’ button 3. Type an existing username 4. Click ‘Search by User Profile’ button |
| **Expected Results** | The program will show the list of user accounts that match the criteria |
| **Actual Results** | The program will show the list of user accounts that match the criteria |

|  |  |
| --- | --- |
| **Test Case 5.4 – Search for non-existent user by Username** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘View’ button 3. Type a non-existing username 4. Click ‘Search by User Profile’ button |
| **Expected Results** | The program will show an empty list |
| **Actual Results** | The program will show an empty list |

|  |  |
| --- | --- |
| Screenshots for User Story #5 and #10 | |
| View page after ‘View’ button pressed | Search by Username result of ‘user2’ |
| Search by User Profile result of ‘Restaurant Staff’ | Searching non-existent username or user profile |

#### User Story #6 and #11

|  |  |
| --- | --- |
| **Test Case 6.1 – View all accounts** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘View’ button |
| **Expected Results** | The program will show the list of user accounts |
| **Actual Results** | The program will show the list of user accounts |

|  |
| --- |
| Screenshots for User Story #6 and #11 |
| Clicking the ‘View’ button will show the list of all accounts |

#### User Story #7 and #12

|  |  |
| --- | --- |
| **Test Case 7.1 – Suspend user** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘Suspend’ button 3. Select an active user 4. Click ‘Suspend/Un-suspend Account’ button |
| **Expected Results** | The program will show that the user account is suspended |
| **Actual Results** | The program will show that the user account is suspended |

|  |  |
| --- | --- |
| **Test Case 7.2 – Un-suspend user** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘Suspend’ button 3. Select an inactive user 4. Click ‘Suspend/Un-suspend Account’ button |
| **Expected Results** | The program will show that the user account is un-suspended |
| **Actual Results** | The program will show that the user account is un-suspended |

|  |  |
| --- | --- |
| **Test Case 7.3 – Suspend/Un-suspend without selecting user** | |
| **Steps** | 1. Login to User Admin account 2. Click ‘Suspend’ button 3. Click ‘Suspend/Un-suspend Account’ button |
| **Expected Results** | The program will tell the user that no user is selected |
| **Actual Results** | The program will tell the user that no user is selected |

|  |  |
| --- | --- |
| Screenshots for User Story #7 and #12 | |
| Suspend page after ‘Suspend’ button is pressed | Message after account is suspended |
| Message after account is un-suspended | Message when no user is selected |
| Message after suspend by profile | Message after un-suspend by profile |

#### User Story #27

|  |  |
| --- | --- |
| **Test Case 27.1 – Insert table number** | |
| **Steps** | 1. At the main page, click the ‘Customer’ button 2. Enter the table number in the table number field 3. Click ‘View Menu’ |
| **Expected Results** | The program will open the customer home page |
| **Actual Results** | The program will open the customer home page |

|  |  |
| --- | --- |
| **Test Case 27.1 – Insert table number** | |
| **Steps** | 1. At the main page, click the ‘Customer’ button 2. Leave the table number field empty 3. Click ‘View Menu’ |
| **Expected Results** | The program will warn the user that no table number is entered. |
| **Actual Results** | The program will warn the user that no table number is entered |

|  |  |
| --- | --- |
| Screenshots for User Story #27 | |
| Customer Login Page | Error message when no table number is entered |
| Customer is directed to the Customer Homepage |  |

## Sprint 3

#### User Story #28

|  |  |
| --- | --- |
| **Test Case 28.1 – View Menu** | |
| **Steps** | 1. At the Customer Homepage, click ‘View Menu’ |
| **Expected Results** | The program will display the menu |

|  |  |
| --- | --- |
| Screenshots for User Story #28 | |
| Menu screen after clicking the View Menu button |  |

#### User Story #29

|  |  |
| --- | --- |
| **Test Case 29.1 – Add menu item to cart** | |
| **Steps** | 1. At the Customer Homepage, click ‘View Menu’ 2. Select menu item 3. Change the quantity to desired amount 4. Click ‘Add To Cart’ |
| **Expected Results** | The program will display a message telling the customer the item is added to cart |
| **Actual Results** | The program will display a message telling the customer the item is added to cart |

|  |  |
| --- | --- |
| **Test Case 29.2 – Add menu item to cart with 0 quantity** | |
| **Steps** | 1. At the Customer Homepage, click ‘View Menu’ 2. Select menu item 3. Change the quantity to 0 4. Click ‘Add To Cart’ |
| **Expected Results** | The program will display a message telling the customer that the quantity cannot be 0 |
| **Actual Results** | The program will display a message telling the customer that the quantity cannot be 0 |

|  |  |
| --- | --- |
| **Test Case 29.3 – Add menu item to cart without selecting and item** | |
| **Steps** | 1. At the Customer Homepage, click ‘View Menu’ 2. Click ‘Add To Cart’ |
| **Expected Results** | The program will display a message telling the customer no menu item is selected |
| **Actual Results** | The program will display a message telling the customer no menu item is selected |

|  |  |
| --- | --- |
| **Test Case 29.4 – Add menu item to cart with blank quantity** | |
| **Steps** | 1. At the Customer Homepage, click ‘View Menu’ 2. Select menu item 3. Change the quantity to blank 4. Click ‘Add To Cart’ |
| **Expected Results** | The program will display a message telling the customer that the quantity cannot be blank |
| **Actual Results** | The program will display a message telling the customer that the quantity cannot be blank |

|  |  |
| --- | --- |
| Screenshots for User Story #29 | |
| Message when item is added to cart | Error message when entering 0 for quantity |
| Error message when not selecting an item | Error message when selecting an item but leaving quantity empty |

#### User Story #30

|  |  |
| --- | --- |
| **Test Case 30.1 – Edit cart item quantity** | |
| **Steps** | 1. At the Customer Homepage, click ‘Edit Cart’ 2. Select menu item 3. Type in new item quantity 4. Click ‘Edit’ |
| **Expected Results** | The program will display a message telling the customer the item quantity is updated |
| **Actual Results** | The program will display a message telling the customer the item quantity is updated |

|  |  |
| --- | --- |
| **Test Case 30.2 – Edit cart item without selecting item** | |
| **Steps** | 1. At the Customer Homepage, click ‘Edit Cart’ 2. Click ‘Update Cart’ |
| **Expected Results** | The program will display a message telling the customer that no item is selected |
| **Actual Results** | The program will display a message telling the customer that no item is selected |

|  |  |
| --- | --- |
| Screenshots for User Story #30 | |
| Message after editing quantity | Message when updating without selecting item |

#### User Story #31

|  |  |
| --- | --- |
| **Test Case 31.1 – Categorize menu items by pasta items** | |
| **Steps** | 1. At the view menu, click the ‘Pasta’ button |
| **Expected Results** | The program will display only pasta items |
| **Actual Results** | The program will display only pasta items |

|  |  |
| --- | --- |
| **Test Case 31.2 – Categorize menu items by pizza items** | |
| **Steps** | 1. At the view menu, click the ‘Pizza’ button |
| **Expected Results** | The program will display only pizza items |
| **Actual Results** | The program will display only pizza items |

|  |  |
| --- | --- |
| **Test Case 31.3 – Categorize menu items by baked rice items** | |
| **Steps** | 1. At the view menu, click the ‘Baked Rice’ button |
| **Expected Results** | The program will display only baked rice items |
| **Actual Results** | The program will display only baked rice items |

|  |  |
| --- | --- |
| **Test Case 31.4 – Categorize menu items by drinks** | |
| **Steps** | 1. At the view menu, click the ‘Drinks’ button |
| **Expected Results** | The program will display only drink items |
| **Actual Results** | The program will display only drink items |

|  |  |
| --- | --- |
| Screenshots for User Story #31 | |
| Menu after pressing ‘Pasta’ button | Menu after pressing ‘Pizza’ button |
| Menu after pressing ‘Baked Rice’ button | Menu after pressing ‘Drinks’ button |

#### User Story #32

|  |  |
| --- | --- |
| **Test Case 32.1 – View cart items** | |
| **Steps** | 1. At the Customer Homepage, click ‘View Cart’ |
| **Expected Results** | The program will display a list of all items in the cart |

|  |  |
| --- | --- |
| Screenshots for User Story #32 | |
|  | Interface after pressing ‘View Cart’ button |

#### User Story #33

|  |  |
| --- | --- |
| **Test Case 33.1 – Delete cart item** | |
| **Steps** | 1. At the Customer Homepage, click ‘Edit Cart’ 2. Select menu item 3. Click ‘Delete Item’ |
| **Expected Results** | The program will display a message telling the customer the item quantity is updated |
| **Actual Results** | The program will display a message telling the customer the item is deleted |

|  |  |
| --- | --- |
| **Test Case 33.2 – Delete cart item without selecting item** | |
| **Steps** | 1. At the Customer Homepage, click ‘Edit Cart’ 2. Click ‘Delete Item’ |
| **Expected Results** | The program will display a message telling the customer that no item is selected |
| **Actual Results** | The program will display a message telling the customer that no item is selected |

|  |  |
| --- | --- |
| Screenshots for User Story #33 | |
| Message after deleting item | Message when deleting without selecting item |

#### User Story #425

|  |  |
| --- | --- |
| **Test Case 425.1 – Add/Apply coupon at payment** | |
| **Steps** | 1. At the Customer Homepage, click ‘Payment’ 2. Enter coupon code 3. Click ‘Input Coupon’ |
| **Expected Results** | The program will show the user a message that the coupon is applied |
| **Actual Results** | The program will show the user a message that the coupon is applied |

|  |  |
| --- | --- |
| **Test Case 425.2 – Add/Apply coupon at payment** | |
| **Steps** | 1. At the Customer Homepage, click ‘Payment’ 2. Enter invalid coupon code 3. Click ‘Input Coupon’ |
| **Expected Results** | The program will show the user a message that the coupon is invalid |
| **Actual Results** | The program will show the user a message that the coupon is invalid |

|  |  |
| --- | --- |
| Screenshots for User Story #425 | |
| Message when coupon is valid | Message when adding invalid coupon |

#### User Story #34

|  |  |
| --- | --- |
| **Test Case 34.1 – Perform e-payment** | |
| **Steps** | 1. At the Customer Homepage, click ‘Payment’ 2. Enter phone number 3. Click ‘Make Payment’ |
| **Expected Results** | The program will show the user a message that payment has been completed |
| **Actual Results** | The program will show the user a message that payment has been completed |

|  |  |
| --- | --- |
| **Test Case 34.2 – Perform e-payment with no phone number** | |
| **Steps** | 1. At the Customer Homepage, click ‘Payment’ 2. Click ‘Make Payment’ |
| **Expected Results** | The program will show the user a message that there is not phone number entered |
| **Actual Results** | The program will show the user a message that there is not phone number entered |

|  |  |
| --- | --- |
| **Test Case 34.3 – Perform e-payment with invalid phone number** | |
| **Steps** | 1. At the Customer Homepage, click ‘Payment’ 2. Enter invalid phone number 3. Click ‘Make Payment’ |
| **Expected Results** | The program will show the user a message that the phone number is invalid |
| **Actual Results** | The program will show the user a message that the phone number is invalid |

|  |  |
| --- | --- |
| Screenshots for User Story #34 | |
| Message when payment is successful | Message when no phone number is entered |
| Message when invalid phone number is entered |  |

### User Story #37, #38 and #39

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| **Test Case 37.1 – Generate Daily Average Spending per visit** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Average Spend Per Visit’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the average spend for the day in the left column |
| **Actual Results** | The program will display the average spend for the day in the left column |

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| **Test Case 38.1 – Generate Weekly Average Spending per visit** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Average Spend Per Visit’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the average spend for the week in the middle column |
| **Actual Results** | The program will display the average spend for the week in the middle column |

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| **Test Case 39.1 – Generate Monthly Average Spending per visit** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Average Spend Per Visit’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the average spend for the month on the right column |
| **Actual Results** | The program will display the average spend for the month on the right column |

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| Screenshots for User Story #37, #38 and #39 | |
|  | Screenshot after pressing ‘Generate Data’ for Average Spend Per Visit |

### User Story #40, #41 and #42

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| **Test Case 40.1 – Generate Daily Frequency/Patterns of Visits** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Frequency/Patterns of Visits’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the frequency/patterns of visits for the day in the left column |
| **Actual Results** | The program will display the frequency/patterns of visits for the day in the left column |

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| **Test Case 41.1 – Generate Weekly Frequency/Patterns of Visits** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Frequency/Patterns of Visits’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the frequency/patterns of visits for the week in the middle column |
| **Actual Results** | The program will display the frequency/patterns of visits for the week in the middle column |

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| **Test Case 42.1 – Generate Monthly Frequency/Patterns of Visits** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Frequency/Patterns of Visits’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the frequency/patterns of visits for the month on the right column |
| **Actual Results** | The program will display the frequency/patterns of visits for the month on the right column |

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| Screenshots for User Story #40, #41 and #42 | |
|  | Screenshot after pressing ‘Generate Data’ for Frequency/Patterns of Visits |

### User Story #43, #44 and #45

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| **Test Case 43.1 – Generate Daily Dish/Drink Preference** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Dish/Drink Preference’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the dish/drink preference for the day in the left column |
| **Actual Results** | The program will display the dish/drink preference for the day in the left column |

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| **Test Case 44.1 – Generate Weekly Dish/Drink Preference** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Dish/Drink Preference’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the dish/drink preference for the week in the middle column |
| **Actual Results** | The program will display the dish/drink preference for the week in the middle column |

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| **Test Case 45.1 – Generate Monthly Dish/Drink Preference** | |
| **Steps** | 1. At Restaurant Owner Homepage, click the ‘Dish/Drink Preference’ radio button. 2. Click ‘Generate Data’ button |
| **Expected Results** | The program will display the dish/drink preference for the month on the right column |
| **Actual Results** | The program will display the dish/drink preference for the month on the right column |

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| Screenshots for User Story #43, #44 and #45 | |
|  | Screenshot after pressing ‘Generate Data’ for Dish/Drink Preference |