**Unit Testing Plan**

Function: Login

Assuming a user can enter details into the login form.

Expected Behaviour:

* User submits valid login credentials

Username = Febin123, Password = Depr33

Checked Exceptions:

* User submits invalid login username

Username = Febin124, Password = Depr33

* User submits invalid login password

Username = Febin123, Password = Depr34

* User submits empty fields

Assertions:

* N/A

Function: Register

Assuming a user can enter details into the register form.

Expected Behaviour:

* User submits valid register details

Name = Febin, Surname = Shaji, Number = 07456345678, Email = [febin@gmail.com](mailto:febin@gmail.com), Username = Febin123, Password = Depr33

Checked Exceptions:

* User submits an account with an already existing email or username

Email = [febin@gmail.com](mailto:febin@gmail.com), Username = Febin123

* User submits an incorrect format for an email

Email = febingmail.com

* User submits an incorrect format for a phone number

Number = 34testincorrect

* User submits empty fields

Assertions:

* N/A

Function: Change Password

Assuming the user has successfully logged into their account.

Expected Behaviour:

* User submits a new password

Password = Depr34, Confirm Password = Depr34

Checked Exceptions:

* Users submits their current password

Password = Depr33, Confirm Password = Depr33

* Users submits passwords that are different from each other

Password = Depr34, Confirm Password = Depr35

* User submits empty fields

Assertions:

* N/A

Function: Add card details

Assuming the user has successfully logged into their account

Expected Behaviour:

* User submits their card details

Card number, CVV, Expiry date

Checked Exceptions:

* User enters correct length of digits for each field

Card number = 16 digits, CVV = 3 digits, Expiry date = 4 digits

* User submits empty fields

Function: Search for scooter in a particular location

Assuming the user has successfully logged into their account and has navigated to the search scooter page.

Expected Behaviour:

* User can pick on of the locations from the drop-down menu

Checked Exceptions:

* User submits empty field

Function: Booking()

Assuming the user has successfully found a scooter to book

Expected Behaviour:

* User selects the duration of rental
* Takes the scooter ID from previous screen
* User submits their card details

Card number, CVV, Expiry date

Checked Exceptions:

* User enters correct length of digits for each field

Card number = 16 digits, CVV = 3 digits, Expiry date = 4 digits

* User submits empty fields

Function: cancel()

Expected Behaviour:

* User selects the scooter that would like to cancel from a list of bookings
* Booking is cancelled in database and scooter id marked as not in use.

Checked Exceptions:

* Checks if the booking has already expired
* Checks if refund is needed

Function: extend()

Expected Behaviour:

* User selects the scooter that would like to extend and select the amount of time they would like to add from a dropdown.
* Booking time is then extended.

Checked Exceptions:

* Checks if the booking has already expired
* Checks if there is another booking at the end of the original booking time

Function: complaint ()

Assuming user has navigated to complaint page, link in nav bar

Expected Behaviour:

* User inputs a scooter ID and the issue they have with the scooter

Checked Exceptions:

* Checks if it’s a valid scooter id
* Checks the issue field is not null

Function: Change scooter status ()

Assuming employee has selected a scooter

Expected Behaviour:

* User inputs the changes needed
* These changes are inacted

Checked Exceptions:

* Checks if it’s a valid scooter id
* Checks that no fields are null

Function: Raise issue priority()

Assuming employee has selected a user issue

Expected Behaviour:

* User employee clicks a button next to the issue that would like to raise,
* Changes the priority of the issue in the database.