Unit Testing

TC - 1: Tests login functionality and accuracy

Test Case Identifier: TC-1 **Use Case Tested: UC-9** Pass Criteria: If the user can login with a correct email and password combination. Fail Criteria: If the user can login with an incorrect email and password combination. Input Data: Email, Password		
Test Procedure	**Expected Result:**	**Actual Result**
Step 1: The user (a customer) enters a correct combination of their email and password into the login screen and selects login.	The app accepts the combination and allows the user to login. The app should bring the user to the customer main page.	The app brings the user to the correct screen.
Step 2: The user (an employee) enters a correct combination of their email and password into the login screen and selects login.	The app accepts the combination and allows the user to login. The app should bring the user to the employee main page.	The app brings the user to the correct screen.
Step 3: The user (a manager) enters a correct combination of their email and password into the login screen and selects login.	The app accepts the combination and allows the user to login. The app should bring the user to the manager main page.	The app brings the user to the correct screen.
Step 4: The user enters an incorrect combination of their email and password into the login screen and selects login.	The app should not accept the combination and allows the user to attempt to login again and notifying an error message.	

TC - 2: Tests user's ability to select dine in

Test Case Identifier: TC-2 **Use Case Tested: UC-15** Pass Criteria: The user will click the Dine-In button and show all tables to choose. Fail Criteria: The user will click on the Dine-In button and the wrong screen appears or if no screen appears when the button is clicked. Input Data: Dine-In Button Selection		
Test Procedure	**Expected Result:**	**Actual Result**
Step 1: The user (a customer)	The user will be able to see a	(as of now) Clicking dine-in

clicks on the Dine-In button from the main customer screen.	screen which shows all tables to choose from to dine in.	brings you to the payment screen and is located after selecting your items.

TC - 3: Tests users ability to takeout food from the menu

Test Case Identifier: TC-3 Use Case Tested: UC-14 Pass Criteria: When the Takeout button is pressed, it brings up the takeout menu and add items to the list. Fail Criteria: When the Takeout button is pressed, it will not bring up the menu or will not add items. Input Data: Take-Out Button Selection		
Test Procedure	**Expected Result:**	**Actual Result**
Step 1: The user (a customer) clicks on the Takeout button from the main customer screen.	The Takeout menu will appear.	The menu will appear and then can choose takeout as an option for eating.
Step 2: The user will add multiple items from the menu to their list.	Items added will be added (with price and quantity) to the list.	Follows Expected Result
Step 3: The user will delete a few items from the list.	Items will be removed (with price and quantity) from the list.	Follows Expected Result

TC - 4: Tests user ability to reserve a table

Test Case Identifier: TC-4 Use Case Tested: UC19 Pass Fail Criteria: User has to successfully be able to reserve a specific table at their choice of date/time, given table availability Input Data: A date, time, and specific table selection		
Test Procedure:	**Expected Result:**	**Actual Result:**
Step 1: The user should click on Reservation Option that shows up in the menu screen	A screen that shows available tables as well as location within the restaurant pops up.	Follows Expected Result
Step 2: The user should select a Table from the Available tables list.	A new screen pops up that has times where the table is unable to be reserved shown, as well as two input boxes.	Have not gotten this far

Step 3: The user should then input the date the table is to be reserved for in the appropriate input text box.	If the date is an invalid input, then produce an error message and prompt another input.	Have not gotten this far
Step 4: The user should then input the time the table is to be reserved for in the appropriate input text box.	If the time is an invalid input, then produce an error message and prompt another input. Else, proceed to the confirmation screen.	Have not gotten this far
Step 5: The user should then confirm reservation, when a confirmation screen pops up.	Correctly update the database for table availability with according time and date.	Have not gotten this far

TC - 5: Tests ability to order from menu

Test Case Identifier: TC-5 Use Case Tested: UC15, UC16, UC17 Pass Fail Criteria: A user has to be able to successfully choose items on the menu and add to their order Input Data: Select items from menu as well as any customizations, and have it add to your order.		
Test Procedure:	**Expected Result:**	**Actual Result:**
Step 1: The user can click on the menu option to view the menu	A menu interface will pop up, allowing the user to view food items on the menu, as well as additional info like price/calories	Follows expected result minus the additional information like calories.
Step 2: The user can view different parts of the menu, and choose items they wish to order	The user can navigate the menu to see different parts like lunch, drinks, etc. Every time they select an item it will add to their order and they get an updated total bill.	Follows expected result
Step 3: The user can complete and confirm their order on a confirmation order screen that displays their total order	The user will be brought to a confirmation page that has their total order, and allows them to confirm it. Once this is done it brings them to the payment screen.	Follows expected result

TC - 6: Tests ability for employees to view table status

Test Case Identifier: TC-6 Use Case Tested: UC-20

Pass Fail Criteria: Employees should be able to check the current table statuses, or of a certain time and date Input Data: time and date		
Test Procedure:	**Expected Result:**	**Actual Result:**
Step 1: Click on table status option	This will bring up the current table status screen.	Have not gotten this far
Step 2: Although it will bring up the current table status screen, users can click on the “specific” button.	The user will be able to see all the current table statuses, and if they click on the specific button, input text boxes will appear that will allow the user to input a date and time.	Have not gotten this far
Step 3: Users can input specific time and date in the according input textboxes.	If they wish to check the status for a specific time, they will be directed to another screen after they input the data. THis screen will show the table statuses according to the time and date imputed.	Have not gotten this far

TC - 7: Tests user ability to select delivery

Test Case Identifier:TC7 Use Case Tested: UC16 Pass Fail Criteria:Once the user selects their order and pays for their food, they should be able to get an update on their order status that will tell them how long it will take for their food to arrive. Input Data:An order.		
Test Procedure	**Expected Result**	**Actual Result**
Step 1: A user logs in.	The user should see a screen where they have 3 dining options.	User can select menu, add items, then choose their dining options.
Step 2 : The user selects delivery, places their order, and pays for their order.	The user shall receive a confirmation.	Have not gotten this far
Step 3: A chef account logs in and checks their order list.	The chef should be able to see the recently placed order.	Have not gotten this far
Step 4: A driver logs in and checks the list of orders ready for delivery.	Once the chef completes the order the driver should be able to see this order and accept it to	Have not gotten this far

	take the responsibility of delivering it.	

TC - 8: Tests payment is implemented correctly and that the order is confirmed

Test Case Identifier:TC8 Use Case Tested: UC17 Pass Fail Criteria: If the user enters a card number, cvv , and expiration date of which all are valid lengths, then the user's order is confirmed and the next screen is shown. Input Data: A numeric number that is 13-19 digits long for the card number, a 3 digit cvv number, and a 4 digit expiration date.		
Test Procedure	**Expected Result**	**Actual Result**
Step 1: User enters a 16 digit card number, 2 digit cvv, and a 4 digit expiration date.	The app will stay at the same screen and tell the user that the card information is invalid because the cvv should be 3 digits.	Have not gotten this far
Step 2: User enters a 16 digit card number, 3 digit cvv, and a 4 digit expiration date.	The user shall be taken to the confirmation screen.	Have not gotten this far

TC - 9: Tests users ability to rate food

Test Case Identifier:TC9 Use Case Tested:UC18 Pass Fail Criteria:When a customer submitted a rating it should be shown in the application under a reviews section. Input Data:Some text giving an opinion on the food as well as an integer rating from 1-5.		
Test Procedure	**Expected Result**	**Actual Result**
Step 1:User enters 5 star rating for a burger. Then clicks submit.	Confirm submission and the data will go to the database and manager.	Have not gotten this far
Step 2: A manager logs in and checks the ratings.	The manager should see a recent rating submission.	Have not gotten this far

TC-10: Tests managers ability to view reports regarding restaurant

Test Case Identifier:TC10

Use Case Tested: UC21 Pass Fail Criteria: Once the manager logs in they should be able to check different stats on the restaurant such as meal popularity. Input Data: None		
Test Procedure	**Expected Result**	**Actual Result**
Step 1: Manager logs in to their account	The manager should see a list of options such as check analytics.	Manager can login to accounts and check certain options.
Step 2: Manager clicks check analytics.	The manager should see the number of times an item was sold in a chart.	Have not gotten this far

TC-11: Tests users ability to register a new account

Test Case Identifier: TC-11 Use Case Tested: UC-11 Pass Criteria: A user will be able to create a new account. Fail Criteria: A user will fail to create an account. Input Data: Email, Password.		
Test Procedure	**Expected Result:**	**Actual Result**
Step 1: The user will enter their email (unused and real) and password (with requirements) and hit submit.	The system will allow the user to create an account and notify the user. The user will be able to use the app's additional features.	Follows expected result
Step 2: The user will enter a used or incorrectly formatted email with a password that matches the requirements.	The system will notify the user that the email is incorrectly formatted or already used and allow them to retype it.	Follows expected result
Step 3; The user will enter an unused correctly formatted email with a password that does not meet the requirements.	The system will notify the user that the password does not meet the requirements and allows them to retype it.	Follows expected result

TC-12: Tests estimation time for food arrival

Test Case Identifier:TC12 Use Case Tested: UC3 Pass Fail Criteria: Once an order has been placed, the user will be provided an estimated time for food arrival.

Input Data: Type of order, and food items ordered		
Test Procedure	**Expected Result**	**Actual Result**
Step 1: User enters their order type	The app will be brought to the menu where the user can then choose what items to order	Follows expected result
Step 2: User selects their order and confirms it	The user shall be taken to the confirmation screen.	Follows expected result
Step 3: The user will then confirm the order	The user will then be brought to a screen that displays an estimated time of arrival calculated based off the order type, the food items in the order, as well as the amount of orders queued in the kitchen/	Have not gotten this far

TC-13: Tests users ability to edit/delete account

Test Case Identifier: TC-13 Use Case Tested: UC-12, UC-13 Pass Criteria: The user will be able to delete or edit their account successfully Fail Criteria: The user will not be able to delete their account or edit any of their account information. Input Data: Password.		
Test Procedure	**Expected Result:**	**Actual Result**
Step 1: The user will try and change their password.	The system will notify the user of a successful password change	Follows expected result
Step 2: The user will try and change their username.	The system will notify the user of a successful username change.	Follows expected result
Step 3: The user will try to delete their account.	The system will notify the user of a successful deletion of the account and will return the user to the start screen.	Follows expected result