

Test Case#	Description	Test data set/Input	Expected output	Actual output	Changes	Date
1	Customer is able to see the pop-up window when he click on View Allergens button	Clicking on the View Allergens button	Get the pop-up window	Can't see the pop-up window	Create show_allergens_popup function to get allergen_name from database.py and showinfo with messagebox	6/12/2023 Zheng,Reece,
2	Customer is able to see the allergen when they click on the View Allergens button	Clicking on the menu for specific food and show the allergen	Show Allergen Name and Allergen ID	Show Allergen ID in the Allergen Name and Allergen ID	Change def get_menu_allergen function. Allergen_name_record[0] to Allergen_name_record[1] to fetch the second value in each row from database	9/12/2023 Binayam,Zheng, Reece, Anas
3	Customer is able to see all the menu items when he click into Menu page	Clicking on the Menu page and show all the menu items	Show picture of food, item name, description	Can't see picture of food, item, description	Change database sql language placeholder from ? to %s in get_table function	9/12/2023 Binayam,Zheng, Reece, Anas
4	Kitchen is able to see what the customers order after they finish the payment	Click on the Kitchen page and show all the orders	Show all the customer orders	Can't see the customer order	Merge the 'r=orders' DataFrame with 'menu' DataFrame on "menu_item_id" and then merges the result with the 'res' DataFrame on "order_id" and "erservation_id"	10/12/2023 Binayam,Zheng, Reece,
5	Kitchen is able to	Click on Cancel	The selected	The selected	Pass	13/12/2023 Binayam,Zheng,

	delete the order which is canceled	Select Order and delete the selected order	order is deleted	order is deleted		Reece, Anas
6	Kitchen is able to mark the selected order when it is finished	Click on Mark Selected Order and the selected order is marked as COMPLETED	The selected order get marked	The selected order is marked as COMPLETED	Pass	13/12/2023 Binayam,Zheng, Reece, Anas
7	Customer is able to add food item into Order	Click on Add to Order button and add some food	Get food item on Order area	Can't add food to the Order	Change order_treeview to self.order_treeview in add_to_order function	13/12/2023 Binayam,Zheng, Reece, Anas
8	Customer is able to search the food that they want through the search bar	Type the food name and search it	Get the food item ,descriptions, view allergens and add to order	Can't get the food item	Add self.display_filtered_menu_items(filtered_items) in search_menu_items function	13/12/2023 Binayam,Zheng, Reece, Anas
9	Kitchen is able to see the amount of this food item when he click on View Order in Bulk	Click on View Order in Bulk button and the selected Order will show the amount of that food item	Get the amount of that food item on kitchen list	Get the amount of this food item on screen	Pass	15/12/2023 Binayam,Zheng, Reece,
10	Manager is able to create Account for new	Fill in the form and Click on Create Account	Generate employee information	New stuff is already stored in	Pass	17/12/2023 Binayam,Zheng, Reece, Anas

	stuff	button	on and store in database	database		
11	Manager is able to delete Account for separated employee	Click on Delete Account and put staff id	Separated staff data is deleted from database	Separated staff data is deleted	Pass	17/12/2023 Binayam,Zheng, Reece, Anas

Test Case	Description	Test Dataset/Input	Expected Output	Actual Output	Changes	Date
1	Testing if all menu items are displayed in the interface	Executing the program while querying the database to generate all menu items inside the "content_frame".	A full view using a scrollbar on the right side of the canvas that contains the "menu_item_frame" which displays all menu items. It was expected to scroll through all the frames generated in the "menu_items_frame"	The scroll bar appeared on the GUI but it did not function as expected. Scrolling up or down using the scrollbar did not function at all and most menu items were out of frame.	Instead of creating the menu items in the menu_item_frame, creating the menu items inside another frame that is created inside the canvas and then attaching the scrollbar to the canvas fixed it so it now scrolls as intended	07/12/24 Binayam/Reece/Zheng
2	Testing if the discount implementation and payment function	Adding bulk orders to the "total_order" and also removing items	Total price to reflect bulk orders with or without discount even after removing or adding more orders to total order.	Total price output was incorrect after removing items from order. Higher than output with and without discount.	Error handling by printing the data sent into the total_orders. Previously "deleted" orders were still stored in the dictionary causing kitchen errors and also total price outputs. Changed the way data was stored. Internal ID is stored in a	07/01/2024 Binayam, Reece

					different dictionary than the actual details of the data. order.	
3	Testing account creation and deletion	Checking if the admin role user can create and delete accounts with other roles and in other branches	When account details for a new staff member or a user of a higher access level were created for certain branches, data would be sent to the database. Delete accounts using the associated staff_id should delete all information.	Account details for new staff was created with their respective branch roles and the associative branch is only updated after manual closure of application.	No change	07/01/2024 Reece
4	Testing if checking for branch city matches to correct city_id and their city and also the respective postcode	Checking if branch cities match with the relative cities and their related postcodes	Searching for a branch city would reveal the city they are in and their postcode	The incorrect postcode was coming up because numerous branch locations were associated with same city id	Adding a new table to facilitate multiple branches to one city id, also ensures third normal form.	02/01/2024 Reece
5	Testing the creation of addition user interfaces	Allowing the creation of additional interfaces in main window	Paginated interfaces via the use of buttons.	Buttons were breaking the application.	Refactored the application layer to fit the more OOP approach of loose coupling.	29/12/2023 Reece
6	Testing order transmission to the kitchen	Sending multiple orders after paying to the kitchen interface.	Order details should be sent to the kitchen after valid payment.	Order data was incorrect when even items previously deleted in the total order appeared in the kitchen	Printed output after paying to see what order details were inserted into orders table which the kitchen uses. Realized “deleted” details were still being inputted. Therefore stored details in a	07/01/2024 Binaya m/Reece/Zheng

						separate dictionary from the internal ID.	
7	Testing if discount functions as supposed to	Ordering single and bulk orders and printing prices to see if the price has changed	If a discount is applied in this case 20%. The price of menu items or the total price of menu items should be decreased by 20%		TypeError of price not being able to calculate as the sequence cannot be multiplied by a non-int value such as float	Ensured price is being treated as an integer fixing the problem and allowing the functionality to correct.	05/01/01 Binaya m.
8	Testing if the user branch role level allows only certain functions	Using staff_id numbers with branch roles of staff and admin	Users with staff roles should only have access to the menu unlike admins, for example, which has access to account and user management	Users can only access what is seen in the navigation bar which is the menu. Admins can access user management in navbar.	No changes	26/12/2023 Reece	
9	Optimizing display of menu items	Loading a set of 25 menu items in the display	When "Menu" on the nav bar is clicked, the menu item should not require high CPU usage or cause considerable lag	When the menu is clicked, significant lag is induced.	Made a function to preload the images and reduce their size to reduce memory usage and lag as the method to display the menu items initially generated the frames and images	06/01/2024 Binayam	

					each time in a for loop	
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