



## **Systems Analysis and Design**

### **Phase 2 Test Case**

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## Test Case Description

Test Case: Search and Browse Restaurant

Objective: To verify that the application allows users to search for nearby restaurants, view their menus, and read customer ratings and reviews.

Pre-conditions:

- The user must have the application installed on their device.
- The device must have location services enabled.
- The user must have internet access.

Post-conditions:

- The user can view restaurant details, menus, and ratings.
- If a registered user, they can add items to the cart and proceed to place an order.

Step Description	Action	Results
Open Application	Launch the application on a device with internet access and location services enabled.	The application opens successfully and displays the home screen with an option to browse restaurants.
Browse Restaurants	Click on the option to browse nearby restaurants.	The application displays a list of nearby restaurants based on the user's current location.
Select Restaurant	Select a restaurant from the list to view its menu and ratings.	The application displays the selected restaurant's menu items and customer ratings.
View Menu	Browse through the menu items of the selected restaurant.	The menu items are displayed with details such as name, description, and price.
Read Ratings and Reviews	Read the customer ratings and reviews for the selected restaurant.	Customer ratings and reviews are displayed accurately.

Register	Initiate registration process.	Application prompts for registration details and completes registration.
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#### Test Cases for Alternate and Exception Flows:

Step Description	Action	Results
No Internet Connection	Turn off the internet connection and try to open the application.	The application shows an error message indicating that an internet connection is required to use the app and suggests checking the connection or retrying later.
Restaurant is Closed	Select a closed restaurant to view the menu and ratings.	The application displays a message indicating the restaurant is closed and shows the opening hours. The user can then choose to view other restaurants.
Card payment fails	User is prompted to enter the correct card details.	The application displays a message indicating the user to authenticate on the third-party banking app for verification.

The test cases are to ensure that the core functionalities of the application are working as expected, providing a seamless experience for users when browsing restaurants, placing orders, and tracking order statuses. The alternate and exception flows are also tested to ensure the application handles the scenarios gracefully.