

# Software Engineering

## Deliverable 3: Testing details

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### Module: User Registration and Authentication

Test Case ID	Module Name	Test Case Description	Pre-Conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT_01	User Registration	Test user registration with valid data	Database must be running	1. Connect to the user database 2. Run query to insert new user 3. Verify output	INSERT INTO users (username, email, password) VALUES (jathin', <a href="mailto:jathin@example.com">jathin@example.com</a> , 'hashedpassword123');	New user should be added to the database	As expected	Pass
UT_02	User Authentication	Test user login with valid credentials	Database must be populated with user data	1. Connect to the database 2. Run query to fetch details 3. Verify credentials	SELECT * FROM users WHERE username = jathin" AND password = 'hashedpassword123';	New user should be added to the database	As expected	Pass

### Module: Restaurant Management

Test Case ID	Module Name	Test Case Description	Pre-Conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT_03	Restaurant Listing	Test retrieving all active restaurants	Database must be populated with restaurant data	1. Connect to the restaurant database 2. Run query to fetch	SELECT * FROM restaurants WHERE status = 'active';	List of active restaurants should be displayed	As expected	Pass

				active restaurants 3. Verify output				
UT_04	Menu Management	Test adding a new menu item	Restaurant must exist in the database	1. Connect to the menu database 2. Run query to insert new menu item 3. Verify insertion	INSERT INTO menu_items (restaurant_id, name, price) VALUES (101, 'Margherita Pizza', 1299);	New menu item should be added to the database	As expected	Pass

#### Module: Order Processing

Test Case ID	Module Name	Test Case Description	Pre-Conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT_05	Order Creation	Test creating a new order	User and restaurant must exist in the database	1. Connect to the order database 2. Run query to create new order 3. Verify order creation	INSERT INTO orders (user_id, restaurant_id, total_amount) VALUES (201, 101, 25.98);	New order should be created with pending status	As expected	Pass
IT_01	Order Status Update	Test updating order status	Order must exist in the database	1. Connect to the order database 2. Run query to update order status 3. Verify order creation	UPDATE orders SET status = 'preparing' WHERE order_id = 301;	Order status should be updated to 'preparing'	As expected	Pass

## Module Delivery Management

Test Case ID	Module Name	Test Case Description	Pre-Conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
ST_01	Delivery Assignment	Test assigning delivery to available driver	Order and drivers must exist in the database	1. Connect to the delivery database 2. Run query to find available driver 3. Verify location update	UPDATE deliveries SET driver_id = 401 WHERE order_id = 301;	Order should be assigned to an available driver	As expected	Pass
ST_02	Delivery Tracking	Test updating delivery location	Delivery must be in progress	1. Connect to the delivery database 2. Run query to update location 3. Verify location update	UPDATE deliveries SET current_location = 'GPS:40.7128,-74.0060' WHERE delivery_id = 501;	Delivery location should be updated in the database	As expected	Pass