

MIT World Peace University SET

Assignment 2

NAMAN SONI ROLL No. 10

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1 Aim

Write a test plan, test cases, of the system whatever you have designed. Don't write test cases of login credentials. Already those were discussed in class. Find the test cases for Functionality.

2 Problem Statement

Create test cases for the following problem statement:The restaurant industry is a fast-paced environment that requires efficient management of resources to ensure timely and quality service. In the traditional restaurant setting, the ordering process, food preparation, and inventory management are carried out manually, leading to errors, delays, and inefficiencies.

3 Test cases

Test Cases	Test Case Description	Expected Result
User Login	Verify successful login with valid credentials	User is logged into the system
User Login	Verify unsuccessful login with invalid credentials	System displays appropriate error message
Menu Management	Verify adding a new menu item	New menu item is added to the system
Menu Management	Verify editing an existing menu item	Changes to the menu item are saved correctly
Menu Management	Verify deleting a menu item	Menu item is removed from the system
Menu Display	Verify proper categorization of menu items	Menu items are displayed in their respective categories
Order Placement	Verify customers can place orders	Order is successfully submitted
Order Placement	Verify accurate calculation of total order amount	Total order amount is correctly calculated
Order Placement	Verify selection of options for menu items	Customer's chosen options are reflected in the order
Order Placement	Verify inclusion of special instructions or dietary restrictions	Special instructions or dietary restrictions are included in the order
Table Management	Verify assigning tables to customers	Tables are correctly assigned to customers
Table Management	Verify marking tables as occupied, reserved, or available	Tables are marked with the appropriate status
Table Management	Verify merging tables	Tables are merged as intended
Table Management	Verify splitting tables	Tables are split correctly
Reservation Management	Verify customers can make table reservations	Reservations are successfully recorded in the system
Reservation Management	Verify availability of tables for reservation	System displays only available tables for reservation
Reservation Management	Verify confirmation of reservation	Customers receive a confirmation of their reservation
Inventory Management	Verify adding new inventory items	New inventory item is added to the system
Inventory Management	Verify updating inventory item details	Changes to inventory item details are saved correctly

Test Cases	Test Case Description	Expected Result
Inventory Management	Verify removing inventory items	Inventory item is removed from the system
Inventory Management	Verify tracking of inventory quantities	Inventory quantities are accurately updated with each order
Employee Management	Verify adding new employees	New employee is added to the system
Employee Management	Verify updating employee details	Changes to employee details are saved correctly
Employee Management	Verify deactivating employees	Deactivated employee is no longer able to log in or access the system
Reporting and Analytics	Verify generation of sales reports	Sales report is generated accurately with relevant data
Reporting and Analytics	Verify generation of inventory reports	Inventory report displays current stock levels and variations
Reporting and Analytics	Verify analysis of customer data	Customer data is analyzed to provide insights for marketing and customer service improvements
POS Integration	Verify integration with Point of Sale (POS) system	Orders from the restaurant management system are correctly synchronized with the POS system
Online Ordering	Verify integration with online ordering platforms	Online orders are received and processed seamlessly within the restaurant management system
Payment Processing	Verify integration with payment gateways	Payments for orders are processed securely and successfully
Table Reservation Tracking	Verify tracking of table reservations	System accurately displays reserved, occupied, and available tables
Feedback Management	Verify customers can provide feedback	Customer feedback is captured and recorded in the system
Feedback Management	Verify analysis and response to customer feedback	Customer feedback is analyzed, and appropriate responses are provided
Loyalty Program	Verify management of a customer loyalty program	Customers earn and redeem loyalty points accurately
Loyalty Program	Verify tracking and analysis of customer loyalty data	System accurately records and analyzes customer loyalty data for targeted marketing campaigns