TEST CASE DOCUMENT

Vismaya M PES1UG22CS706

Venkata Sravani Revuri PES1UG22CS685

Section: L

Project Name	IRCTC e-Catering Management System
Priority	High
Description	The IRCTC E-Catering Management System aims to enhance the travel experience by allowing passengers to conveniently order food while on board trains
Test Objective	Verify that passengers place orders, and make payments seamlessly during their journey.

Test Case Author	Vismaya, Sravani
Test Case Reviewer	Prof Nisha V M
Test Case Version	1
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Test Case ID	Test Steps	Input Data	Expected Results	Actual Results	Test Environment	Execution Status	Bug Severity	Bug Priority	Notes
TC01	User Registration with Valid Details	Verify that a new user can successfully register with valid data.	User is successfully registered, and a new entry is created in the passenger and Login tables. User is redirected to the login page.	User is successfully registered, and a new entry is created in the passenger and Login tables. User is redirected to the login page.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Verify error handling if any field is invalid or missing.
TC02	Login with Valid Credentials	Verify that a user can log in with valid credentials and is redirected correctly based on their role	For admin users, the user is redirected to the admin dashboard. For regular users, the user is redirected to the home page.	For admin, the user is redirected to the admin dashboard and regular user, the user is redirected to the home page.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Test with both admin and user roles.

Test Case ID	Title	Description	Expected Result	Actual Result	Environment	Status	Priority	Severity	Comments
TC03	Login with invalid password	Username: valid_user Password: invalid_password	The system displays an error message "Invalid credentials, try again."	If there's a problem, the error message displays. "Invalid credentials, try again" appears in case of incorrect credentials.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Test also for case-sensitive passwords.
TC04	Update profile information	Verify that a user can update their profile details successfully.	Profile information is saved and updated. A success message is displayed.	Profile information is updated and changes are visible on screen to user.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Check validation on each field.
TC05	Select Train and View Restaurant Menu	Verify that a user can select a train, view restaurants available for that train, and access the menu of a selected restaurant.	The selected train is correctly displayed on the page. Restaurants mapped to the selected train are displayed.	The selected train is correctly displayed on the page. Restaurants mapped to the selected train are displayed.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Ensure proper display of all trains and restaurants
TC06	Place Order with Cart Items	Ensure a user can place an order with items in their cart.	Order is placed successfully, a confirmation message appears to confirm payment	Order is placed successfully, a confirmation message appears to confirm payment	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	High	High	Ensure proper selection of menu items

Test Case ID	Test Case Name	Test Steps / Input	Expected Result	Actual Result	Test Environment	Status	Priority	Severity	Remarks
TC07	Process Payment with Selected Payment Method	Verify that a user can select a payment method and confirm payment.	Payment is successfully processed, and a success message is displayed.	Payment is successfully processed, and a success message is displayed with total amount payed.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	High	High	List different payment methods (e.g., Cash, Credit Card, Debit Card).
TC08	Filter and Display Items Above Average Price by Restaurant	Restaurant ID: R001	Only items priced above the average price of selected restaurant are displayed.	Items priced above the average price of selected restaurant are displayed along with the average price	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Verify results across restaurants with different menus.
TC09	Update Menu Item - Edit Quantity, Price, and Image	1. Select item, change quantity, price, and upload new image. 2. Submit updated item Restaurant ID: 1, Item ID: 101, Item: Updated Pizza, Price: 12.99, Quantity: 5, Image: image_file.jpg	Menu item updated in menu table.	Menu item updated in menu table.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Confirm image displays correctly after update and verify all fields update as expected.
TC10	Update Restaurant Information	Restaurant ID: 1, New Name: Updated Restaurant, Location: New Location, Phone: 1234567890	Restaurant details updated in restaurant table.	Restaurant details updated in restaurant table successfully	OS: Windows 10 Browser: Chrome v90	Pass	Low	Low	Verify all fields update as expected.

					Database: MySQL				
TC11	Admin Dashboard - Display Restaurant and Menu Data	Session role: admin	Dashboard is displayed restaurant and menu pages which can be accessed through sidebar, statistics page also is displayed	Dashboard is displayed along with sidebar	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Confirm data is displayed and user cant access these pages.
TC12	Add New Menu Item to Restaurant admin can add a new item to a restaurant's menu	Restaurant ID: 1, Item Name: New Dish, Price: 10.99, Quantity: 5, Image: new_image.jpg	Menu item is added successfully, and it appears in the restaurant's menu list on the dashboard.	Menu item is added successfully, and it appears in the restaurant's menu list on the dashboard after submitting details.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Verify item has been succesfully added to menu table and constraints are followed.
TC13	Delete Menu Item 1. Navigate to /admin_dashboard. 2. Locate item, send POST to /delete_menu_item	{'item_name': 'Pizza', 'price': '15.99', 'restaurant_id': '1'}	Menu item is deleted, response: {'success': True}	Menu item is deleted, and is reflected in database table menu	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Test with multiple menu items for the same restaurant.
TC14	Validate Admin Role Access	Session role: user, admin	1. Log in as a regular user. 2. Attempt to navigate to /admin_dashboard.	Access is denied and the user is redirected to the login page	OS: Windows 10 Browser: Chrome v90	Pass	Low	Low	Test multiple endpoints restricted to admin role.

			3. Verify that access is denied and the user is redirected to the login page or receives an unauthorized access error.		Database: MySQL				
TC15	Verify Logout Functionality	Click logout button	User is redirected to the /login page.	User is redirected to the /login page and logout function works.	OS: Windows 10 Browser: Chrome v90 Database: MySQL	Pass	Low	Low	Verify access to restricted pages after logout