**Test Cases**

**Test Case: Verify "Get Started" button functionality**

Description: When the app's home page loads, check if the "Get Started" button is present and clickable.

Steps:

Open the Event Management app.

Check if the "Get Started" button is visible.

Click on the "Get Started" button.

Expected Result: The app should navigate to the login page.

Test Case: Verify successful user login

**Description: Test the login functionality with valid user credentials.**

Steps:

Open the Event Management app.

Enter valid registered user credentials.

Click on the login button.

Expected Result: The app should log in the user and redirect them to the dashboard.

Test Case: Verify user registration

**Description: Test the registration process for a new user.**

**Steps:**

Open the Event Management app.

Click on the "Get Started" button.

Choose the option to "Register as an Admin and Organizer."

Fill in the required registration details.

Click on the "Register" button.

Expected Result: The app should successfully register the new user and redirect them to the login page.

Test Case: Verify "Manage Venue" functionality

**Description: Test the ability to add, delete, and update event details.**

**Steps:**

Log in to the Event Management app as an admin.

Navigate to the "Manage Venue" section.

Add a new venue with valid details.

Update the details of an existing venue.

Delete a venue from the list.

Expected Result: The app should allow the admin to perform each action successfully without errors.

Test Case: Verify "View Booking" feature

**Description: Test the ability to view details of booked venues for events.**

**Steps:**

Log in to the Event Management app as an organizer.

Navigate to the "View Booking" section.

Check the details of a previously booked venue for an event.

Expected Result: The app should display the correct details of the booked venue for the event.

Test Case: Verify "Event History" feature

**Description: Test the ability to track the history of past events.**

**Steps:**

Log in to the Event Management app.

Go to the "Event History" section.

Check the list of past events and their details.

Expected Result: The app should display the complete history of past events accurately.

Test Case: Verify notification for new bookings

Description: Test if the app sends notifications for new bookings.

Steps:

Log in to the Event Management app as an admin or organizer.

Wait for a new booking to be made.

Expected Result: The app should send a notification to the user about the new booking.

Test Case: Verify unsuccessful login with invalid credentials

Description: Test the app's response when logging in with incorrect or invalid user credentials.

Steps:

Open the Event Management app.

Enter incorrect or invalid user credentials (e.g., wrong username or password).

Click on the login button.

Expected Result: The app should display an appropriate error message, indicating that the login attempt failed due to invalid credentials.

Test Case: Verify logout functionality

Description: Test the ability to log out of the app.

Steps:

Log in to the Event Management app as a user.

Locate the logout option within the app.

Click on the logout option.

Expected Result: The app should successfully log out the user and redirect them to the login page.

Test Case: Verify handling of duplicate event IDs

Description: Test the app's response when attempting to create an event with a duplicate event ID.

Steps:

Log in to the Event Management app as an admin.

Navigate to the "Manage Event" section.

Attempt to create an event with an event ID that already exists.

Expected Result: The app should prevent the creation of an event with a duplicate event ID and display an appropriate error message.

Test Case: Verify notification settings

Description: Test the app's notification settings functionality.

Steps:

Log in to the Event Management app.

Go to the notification settings section.

Enable or disable specific notification types.

Trigger events that should generate notifications (e.g., new bookings).

Expected Result: The app should send or withhold notifications based on the user's settings.

Test Case: Verify booking history accuracy

Description: Test the accuracy of the booking history by comparing it with the actual booked events and their details.

Steps:

Log in to the Event Management app.

Go to the "Event History" section.

Cross-check the listed events with the actual booked events in the system.

Expected Result: The app's event history should match the actual events and their details, without any discrepancies.

Test Case: Verify responsiveness on different devices

Description: Test the app's responsiveness and layout on various devices (e.g., smartphones, tablets, desktops).

Steps:

Access the Event Management app from different devices with varying screen sizes.

Interact with the app and check its layout, readability, and usability.

Expected Result: The app should adapt to different screen sizes and maintain usability without any visual or functional issues.

Test Case: Verify performance under heavy loads

Description: Test the app's performance under heavy usage and concurrent user loads.

Steps:

Simulate multiple user sessions accessing and interacting with the app simultaneously.

Monitor response times, system resource usage, and overall stability.

Expected Result: The app should handle heavy loads gracefully, with acceptable response times and without crashes or slowdowns.

Test Case: Verify data security and access controls

Description: Test the app's data security measures and access controls.

Steps:

Try accessing the app's data and functionalities without proper authentication or authorization.

Attempt to modify or delete data without appropriate permissions.

Expected Result: The app should enforce proper access controls and prevent unauthorized access or data manipulation.