

Introduction

The purpose of this test plan is to outline the testing approach, scope, objectives for user login, appointment scheduling, and view appointments functionalities of the website and API services

Objectives

The main objectives of this testing effort are:

1. To verify that users can successfully log in to the website.
2. To verify unauthorized users cannot access the website
3. To ensure that users can book appointments accurately and efficiently.
4. To validate that users can view their scheduled appointments.
5. To validate API services are returning records of all employees
6. To validate API services can return employee data using ID

Scope

The testing will focus on the following functionalities:

a. Login

1. Valid login with correct credentials.
2. Invalid login with incorrect credentials.

b. Book Appointment

3. Schedule an appointment with valid input data.
4. Verify error handling for invalid input data.
5. Confirm appointment scheduling confirmation.

c. View Appointments

6. View all scheduled appointments are returned

d. Fetch All Employees (API test)

7. View all employee records returned

e. Fetch one employee(API test)

8. View record returned for employee with ID 5
9. Fetch record using invalid ID

Test Environment

The testing will be conducted on the following environments:

1. Web browsers: Chrome, Firefox.
2. Operating systems: Windows
3. Tools: Postman

Test Schedule

Testing will be conducted over a period of one day, with specific testing activities scheduled as follows:

1. Login Testing: 21/12/2023
2. Book Appointment Testing: 21/12/2023
3. View Appointments Testing: 21/12/2023

Test Cases

Login Testing

Valid Login

1. Input valid username and password.
2. Verify successful login.
3. Confirm redirection to the user dashboard.

Invalid Login

1. Input invalid username and/or password.
2. Verify appropriate error message(s).
3. Confirm no access to the user dashboard.

Book Appointment Testing

Schedule Appointment

1. Navigate to the appointment booking page.
2. Input valid appointment details (date, time, reason).
3. Confirm successful appointment booking.

Invalid Input Handling

1. Input invalid data for appointment booking.
2. Verify appropriate error messages.
3. Confirm no booking occurs with invalid input.

Confirmation

1. After successful booking, verify the display of appointment summary page.
2. Check the accuracy of displayed appointment details.

View Appointments Testing

Appointment History

1. Navigate to the appointments view page.
2. Verify the display of upcoming appointments.
3. Confirm the correctness of appointment details.

Test Deliverables

The following deliverables will be produced:

1. Test cases and test scripts.
2. Test execution reports.
3. POSTMAN automated collection
4. Selenium automation files

Risks and Assumptions

Risk

1. Network issues may impact testing.

Assumptions

2. none

Sign-off

Upon completion of testing and review of results, the test lead will provide a sign-off indicating whether the tested functionalities meet the defined criteria.

Approval

This test plan is subject to approval by QA manager