Test Plan – Next Trip Login Page

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1. Introduction

The purpose of this test plan is to define the testing strategy, scope, objectives, resources, and schedule for validating the functionality, usability, and performance of the **Next Trip** login page.
The login page allows registered users to authenticate by providing valid credentials (username and password). Upon successful login, the user is redirected to the success page. Invalid credentials should display appropriate error messages.

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2. Scope

In Scope:

- Functional testing of username/password authentication.

- UI/UX validation of login form elements.

- Error message handling for invalid input.

- Security checks for password masking and session handling.

- Compatibility testing across different browsers and devices.

Out of Scope:

- Testing of other pages (dashboard, booking, etc.).

- Backend database performance testing.

- Social media login integrations (not applicable in current design).

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3. Objectives

- Ensure login functionality works correctly with valid credentials.

- Verify that incorrect credentials show proper error messages.

- Validate UI components meet design and branding guidelines.

- Check basic security measures (password masking, no plain text in URL, etc.).

- Ensure cross-browser and responsive behavior.

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4. Test Items

- Login Page URL (Next Trip)

- Input fields: Username, Password

- Login button

- Error messages display

- Success page redirection

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5. Test Approach

Testing will be **manual functional testing** with some **UI verification** and **basic security checks**.
Test cases will be written and executed in a structured manner, with results tracked in a Google Sheet or test management tool.

Types of testing:

- **Functional Testing**

- **UI/UX Testing**

- **Negative Testing**

- **Security Testing**

- **Cross-browser Testing**

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6. Test Environment

- **Browsers:** Chrome (latest), Firefox (latest), Edge (latest)

- **Devices:** Windows 11 laptop, Android mobile.

- **Test Data:**

  - Valid Users:

    - `user1: 'pass1'`
    - `user2: 'pass2'`
    - `admin: 'admin123'`

  - Invalid Users:

    - Wrong username + wrong password

    - Correct username + wrong password

    - Empty fields

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7. Test Deliverables

- Test Cases Document

- Bug Reports

- Test Execution Report

- Screenshots for failed cases

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8. Entry Criteria

- The login page is fully developed and deployed in the test environment.

- Valid and invalid test credentials are available.

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9. Exit Criteria

- All high and medium severity defects are fixed and verified.

- All planned test cases are executed and passed.

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10. Risks

- An unavailable test environment might delay execution.

- UI design changes during testing may cause rework.

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11. Roles & Responsibilities

Name	Role	Responsibility
Manjur Ahmed	Jnr. SQA Eng.	Execute test cases, report bugs.
Mr. 'X'	SQA Lead	Approve test plan, track progress.
Mr. 'Y'	Developer	Fix reported bugs

12. Schedule

Activity	Start Date	End Date
Test Plan Preparation	12.08.2025	12.08.2025
Test Case Writing	12.08.2025	12.08.2025
Test Execution	13.08.2025	14.08.2025
Bug Fix Verification	13.08.2025	14.08.2025

13. Approvals

Approved by:

Signature:

Date: