**Part 1).** **Test Plan Document:-**

* **Introduction**:-

1. **Purpose of the test plan:**

The purpose of this test plan is to outline the approach for testing the web application accessible at <https://app.thepric.com/priclogin>. This document aims to ensure that the application meets the specified requirements and functions correctly across different scenarios.

1. Scope of testing:

Functionality related to logging into the application. Validating the login functionality, editing ,deleting ,viewing locked messages. Assessing edge cases and handling of errors related to locked messages.

* + Page URL: - <https://app.thepric.com/priclogin>
  + Targeted Browsers: Chrome, Firefox, Safari, Edge
  + Targeted Devices: Laptop(HP)
  + Test Environment: Version -10 , Browser-Chrome .
  + Testing Types: Functional Testing, Usability Testing, Compatibility Testing,

Performance Testing, Security Testing, etc.

1. **Key Features:**

* **User Authentication:** Secure login and user management.
* **Dashboard:** Overview of key metrics and data.
* **Data Management:** Input and manage [specific data].
* **Reporting:** Generate and view reports.
* **Notifications:** Alerts for updates and important events.

**4.Test Approaches:**

* + Manual Testing
  + Automated Testing (where applicable)
  + Cross-browser Testing

5.Overview of the application under test:

Its web application , where users can manage messages.

Its a user-friendly interface where creators can easily create and share posts with hashtags, @mentions etc.

It includes features for logging in and interacting with locked messages and Broadcast , Telegram Subscription Manager .

* **Test Strategy**:

1.**Types of Testing:** we are perform testing like smoke testing , functional testing , usability testing

**1. Smoke testing :** verify the basic features functionality of the login and locked message.

**2**. **Functional testing:** verify that application feature functionality as per excepted with respect to the login and locked message functionalities.

* **Scope:** Test cases will cover all user interactions, workflows, and business logic.

**3.Usability testing:** check application is user friendly or not. Ensure the user interface is intuitive and easy to use for the specified features.

* **Scope:** Focuses on ease of navigation, accessibility, and overall user satisfaction.

**4.Compatibility Testing:-**

* **Objective:** Verify that the application works across different browsers, devices, and operating systems.
* **Scope:** Includes cross-browser testing, mobile responsiveness testing, and compatibility with various OS versions.

2.**Levels of testing:**

**1.Unit Testing**

* + **Objective:** Test individual components or units of code for correctness.
  + **Scope:** Focuses on verifying the functionality of small, isolated parts of the application, such as functions or methods.

**2.** **Integration Testing**

* + **Objective:** Test the interactions and interfaces between integrated components or systems.
  + **Scope:** Ensures that different parts of the application work together and external integrations function correctly.

1. **System Testing**
   * **Objective:** Validate the complete and integrated application against the specified requirements.
   * **Scope:** Includes end-to-end testing of the entire application to ensure that it behaves as expected in a fully integrated environment.

* **Test Criteria**:
* **Entry and Exit Criteria for Each Test Phase:-**

**1.Integration Testing**

* **Entry Criteria:**
  + Ft testing of individual components is complete and defects have been resolved.
  + Integrated modules are available for testing.
  + Integration test cases are designed and reviewed.
  + Test environment is configured to support integration testing.
* **Exit Criteria:**
  + All integration test cases have been executed.
  + All critical and major integration issues have been resolved.
  + Interfaces between modules and external systems are functioning as expected.
  + Integration test results meet the defined success criteria.

**3. System Testing**

* **Entry Criteria:**
  + Integration testing is complete and all integration issues have been addressed.
  + System test cases are prepared and reviewed.
  + The complete application is deployed in a test environment that mimics the production environment.
* **Exit Criteria:**
  + All system test cases have been executed.
  + All critical and major defects identified have been resolved.
  + Application performance, security, and usability criteria are met.
  + System test results are documented and approved.
* **Pass/Fail Criteria for Test Cases**
* **Pass Criteria:**
  + The actual result matches the expected result as defined in the test case.
  + All steps in the test case are executed without errors.
  + No critical or major defects are found during the execution of the test case.
  + The application behaves as specified in the requirements and design documents.
* **Fail Criteria:**
  + The actual result does not match the expected result.
  + Errors or issues occur during test execution that prevent the test case from completing.
  + Critical or major defects are identified that prevent the functionality from working as intended.
  + The application does not meet the requirements or design specifications.
  + Platform failure
* **Test Deliverables**:

### **4.1 Documents**

* + 1. **Test Plan Document**
  + **Description:** Detailed plan outlining the overall testing strategy, scope, objectives, and resources.
  + **Content:** Test strategy, types of testing, test phases, roles and responsibilities, and schedule.
* **Test Case Specifications**
  + **Description:** Document detailing individual test cases, including objectives, inputs, execution steps, and expected results.
  + **Content:** Test case ID, description, preconditions, test steps, expected results, and postconditions.
* **Test Data**
  + **Description:** Data sets used for executing test cases.
  + **Content:** Sample data for functional tests, data for edge cases, and any specific test scenarios.
* **Test Environment Setup Document**
  + **Description:** Configuration and setup instructions for the test environment.
  + **Content:** Hardware and software requirements, environment configuration details, and setup procedures.

### **4.2 Reports**

**1.** **Automated Test Scripts**

* + **Description:** Scripts used for automated testing.
  + **Content:** Test automation code/scripts for functional, regression, and performance testing. Includes test scripts for tools like Selenium, JMeter, etc.

**2.Test Execution Scripts**

* + **Description:** Scripts or procedures for executing test cases manually or automatically.
  + **Content:** Step-by-step instructions for running test cases, including setup and teardown procedures.
* **Schedule**:

Test Plan Document Completion: 13-9-2024

Bug Reporting: 14-9-2024

Test Automation Script Development: 14-9-2024

Automation Execution: 15-9-2024

Final Test Report Submission: 16-9-2024

* **Risks and Mitigations**:

**Risk**: Environment instability or unavailability

**Mitigation**: Use a stable and controlled testing environment, and have backups in place.