**Test Plan for Productivity Suit Application:**

**Introduction**

The purpose of this test plan is to define the testing approach, scope, objectives, and resources required to test the Productivity Suit application. This Web application designed to enhance personal and team productivity through various features. This test plan outlines how we will validate the functionality, performance, security, and usability of the application to ensure a high-quality experience for end users.

**Scope**

The scope of this test plan covers the core functionality of the Productivity suit application, which includes:

* **User Registration/Login**
* **Features Browsing and Searching**
* **Push Notifications**
* **Task Management**
* **Time Tracking**
* **Pomodoro Timer**
* **Goal Tracking**
* **Analytics Dashboard**
* **Social Media Engagement Metrics**
* **User Profile Management**
* **Performance Testing (load handling)**
* **Security Testing (payment data security)**
* Testing will be conducted on both the **Android** and **iOS** platforms, as well as on **desktop browsers** for the web application.

**Out of Scope:**

* Integration with third-party vendor systems (this will be mocked).
* Testing of marketing emails and other non-core features.

**Test Objectives**

The main objectives of this testing effort are to:

* Ensure the stability and reliability of the Productivity Suit application across multiple devices and platforms.
* Verify that users can successfully complete core tasks such as Add ,Edit, complete and delete task ,use Time Tracker , Manage update user Profile
* Validate Data is store retrieved and displayed.
* Check performance Efficiency.
* Assess the application’s performance under varying loads.

**Test Items**

The following components and features of the Meesho application will be tested:

1. **User Management**:
   * User registration (email, phone number).
   * Login (including social logins and OTP-based login).
   * Password reset functionality.
   * Profile management.
2. **HomePage**:
   * Verify that the landing page loads correctly with no broken elements.
   * Check for presence of key sections (header, main features).
3. **Navigation Bar**
   * Ensure all navigation links (e.g., Home, Tasks, Notes, Calendar) route correctly.
   * Validate active link highlighting (indicates current section).
4. **Task Management**:
   * Creating, editing, and deleting tasks.
5. **Footer**:
   * Check for correct footer content
   * Validate that links (e.g., social media, contact) are working.
6. **UI /UX**:
   * Validate consistency in fonts, colors, button styles, and spacing.
   * Test hover, focus, and active states on interactive elements.
7. **Performance Testing**:
   * Application response time under load.
   * Stress testing with a high volume of simultaneous users.
8. **Security Testing**:
   * Verifying that sensitive user data (passwords) is secure.
   * Ensuring that session management is correct (e.g., no access to pages after logout).

**Test Approach**

We will be using a combination of **manual** and **automated** testing methods to cover all test cases effectively. Automation will focus on regression and performance tests, while manual testing will cover exploratory, usability, and UI testing.

**Test Levels:**

1. **Unit Testing** (Done by developers).
2. **Integration Testing** to ensure that the interaction between different components works smoothly.
3. **System Testing** will verify that the entire application functions as a cohesive whole.
4. **User Acceptance Testing (UAT)** will be performed to confirm that the app meets user expectations and business needs.

**Test Environment**

The following environments will be used for testing:

1. **OS:**
   * Android (various versions, e.g., Android 9, 10, 11).
   * iOS (latest 3 versions).
   * Windows 10 & above
2. **Web Browsers:**
   * Google Chrome (latest version).
   * Firefox (latest version).
   * Safari (latest version).
3. **Devises:**.
   * Desktop
   * Laptop
   * Tablet
   * Smartphone

**Entry and Exit Criteria**

**Entry Criteria:**

* Requirements are finalized and signed off.
* Test environment is set up and stable.
* Test data is ready for use.
* Test cases have been written and reviewed.

**Exit Criteria:**

* All critical and high-priority test cases are executed.
* Defects are logged, retested, and closed.
* No open high-priority defects remain.
* UAT has been successfully completed and signed off.
* Test summary report is generated.

**Test Deliverables**

* Test Plan (this document).
* Test Scenarios
* Test Cases (functional, non-functional, and regression).
* Testing
* Test Execution Report.
* Bug Report

**Risk & Mitigation**

* Risk : No test automation Mitigations : Increase manual coverage and prioritize core functionality
* Risk :Incomplete Design or functionality Mitigations : Early Communication with developers

**Conclusion**

This test plan defines the comprehensive approach to testing the Productivity suit application across its various features and platforms. By following this structured testing process, we aim to identify potential issues early, ensure the application's functionality meets user expectations, and guarantee that it is ready for public release.

**MindMap**

