**Trello Application STLC**

**1. Introduction**

This test plan outlines the approach for testing the Trello app, focusing on functionality, usability, performance, and security. It aims to identify bugs, improve user experience, and ensure the app functions as intended across various platforms.

**2. Test Objectives**

* Verify core Trello functionalities like board/list/card management, member interactions, and search/filtering.
* Evaluate the app's usability for new and existing users.
* Test the security of the login process and user data management.
* Identify and report any bugs, usability or performance issues.

**3. Test Scope**

This test plan focus on the core functionalities of the Trello app, including:

* Board Management
* Card & Lists Management
* Member Management
* Search & Filtering
* Offline Functionality
* Notifications and Alerts
* User Authentication and Authorization

**4. Test Scenarios and Test Cases**

* **User Authentication:**
  + Verify login functionality with valid credentials.
  + Test login with invalid credentials.
  + Test login/sign up using social media.
* **Board Management:**
  + Test creating, editing, and deleting boards.
  + Test sharing boards with other users.
  + Test members permissions.
  + Test Archiving board and restore it.
* **List and Card Operations:**
  + Verify creating, editing, and deleting lists within boards.
  + Verify creating, editing, and deleting cards within lists.
  + Test moving lists between boards.
  + Test moving cards between lists and boards.
  + Verify adding checklists with items and mark them.
  + Test adding comments, attachments, and labels to cards.
  + Test Archiving cards/lists and restore it.
* **Member Management:**
  + Add and remove members with different permissions (admin, member, observer).
  + Test member limitations (number of members per board).
* **Search and Filtering:**
  + Test search functionality for boards, lists, cards, and members.
  + Verify filtering options for cards based on labels, due dates, and members.
* **Notifications and Alerts:**
  + Verify email notifications for mentions and due dates.
  + Test in-app alerts for new activities.
* **Offline Functionality:**
  + Test offline mode functionality.
  + Verify accurate data syncing.
* **Integration:**
  + Test integrations with other tools (e.g., Google Drive, Slack).

**5. Prioritization of Test Cases by Business Impact.**

* **High Priority:**
  + Core functionalities (board/list/card management, member management, search/filtering).
  + Collaboration features (sharing boards, member permissions, comments).
  + Authentication testing.
* **Medium Priority:**
  + Notifications and Alerts
  + UI/UX testing
* **Low Priority:**
  + Offline functionality
  + Integration