Test Plan Document

For

Otto-Pomodoro timer and Website blocker

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TEST PLAN

INTRODUCTION

This Test Plan is documented to describe the predefined scope, approach, resources , schedule of all the testing activities of the project Otto-Pomodoro Timer and Website Blocker, way of communication, and the risks associated with and corresponding mitigation plan.

SCOPE

The following features are to be tested:

- Home page
- Activity page
- Blocklist page
- Settings page
- Help page

TEST STRATEGY

- **API Testing:** Test all the developed APIs even before they are integrated with the UI.
- **UX Testing (Usability/User Experience Testing):** Test the user-friendliness of the application.
- **GUI Functional Testing:** Test the features for functionality against requirements.
- **Automation Testing:** Run available automation scripts.
- **Smoke Testing:** Run smoke tests on each new build.

Test Levels:

- **System Testing:** Test the entire application as a whole.
- **Acceptance Testing:** The user tests the application.

ENVIRONMENT DETAILS

- Windows Server: Staging QA
- Operating System on Test Machines: Windows 11
- Browser : Chrome – Version 121.0.6167.139
- Network – Wi-Fi
- Excel: For creating test cases
- Jira: For Bug Tracking

STAFFING AND TRAINING NEEDS

- Staffing
    - Manual Testers: Tester1, Tester2
    - QA Lead: Test Lead1
    - Automation Tester: Auto Tester1, Auto Tester2
- Training
    - Excel is used for test case writing: 20 hours
    - Jira is used for Bug tracking

TEST SCHEDULE AND ESTIMATION

- Test case design:
    - Start Date – 02-02-2024
    - End Date – 10-02-2024
- Home Page: 6 hours
- Activity Page: 8 hours
- Blocklist Page:7 hours
- Settings Page:10 hours
- Help Page:10 hours

TEST DELIVERABLES

- **Test Plan:** Prepared and submitted before the start of the testing phase.
- **Test Cases:** Prepared and delivered during the test design phase.
- **Bug Report:** Prepared and shared at the end of each day throughout the execution cycle.
- **Test Summary Report:** Prepared and submitted at the end of the testing phase.

EXIT CRITERIA

- All test cases are executed, exploratory testing is done and there are no functional bugs.
- All unresolved bugs are of low severity.
- No more than 10% of medium-severity bugs are unresolved.

SUSPENSION AND RESEMPTION CRITERIA

The following criteria can be considered

- Suspend testing when
    - Critical bugs are open.
    - An open bug blocks many of the test cases in the test suite.
- Testing can be resumed when
    - Critical bugs are resolved and test cases can be executed.

RESPONSIBILITIES

NAME	EMAIL	ROLE
Manager 1	manager1@gmail.com	Test Manager
Test Lead 1	lead1@gmail.com	Test Lead
Manual Tester1	mtester1@gmail.com	Manual Tester
Manual Tester 2	mtester2@gmail.com	Manual Tester
Automation Tester 1	atester1@gmail.com	Automation Tester
Automation Tester 2	atester2@gmail.com	Automation Tester

RISK AND CONTINGENCIES

RISK	MITIGATION
QA Environment is down	Keep an alternate environment
Unplanned leaves	Monitor this risk
Lack of essential skill	Hire skilled resource or plan for an on the job training

ASSUMPTIONS

- Application features are deployed and available for testing on time.
- License(s) of the tool(s) used were procured in time before the start of the testing phase.

TEST REFERENCE

- UI design
- User Stories
- Requirements/Specification document
- System Design document

REVIEW AND APPROVALS

- Test Manager: (sign)

- Project Manager: (sign)