CRMLY Test Strategy

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1. TESTING INFO

1.1 Product management methodology

Agile-Scrum.

[Scrum detail info can be written. The scrum team prep-meeting link can be attached.]

2. TEST SCOPE

2.1.1 Functional testing

Functional testing will be performed to verify if the application features are developed according to the specifications. Functional testing will be done manually and using automation. BA will provide the scenarios for functional tests. However, testers also will need to write scenarios for functional tests when required.

Functional testing will be carried out by the functional testing team.

2.1.2. Layers of testing

Functional testing will be on three layers of the application: **UI, API, and Database**. In each layer, tests can be executed manually or using automation.

2.1.3. Smoke tests

Smoke tests will be developed and executed periodically. Smoke testing will be used to identify the general stability of the 4Stay application. Testing scenarios for the smoke test will be approved by the BA or SME. Smoke tests can run against multiple environments. Smoke tests will be integrated into the CI environment and can be executed based on a schedule as well as triggered after every deployment. end-to-end tests. Smoke test reports will be emailed to the whole team in case of a failure. Typically, smoke test failure indicates a major issue with an application under test and requires immediate attention.

2.1.4. Regression tests

Regression tests will be carried out after a major code change as well as before certain milestones. Functional automated tests and End-To-End which are stable and most valuable will be added to the Regression. The regression test suite will grow after every sprint iteration. Regression tests will be run as often as possible to keep the Regression suite up to

date and find issues early. Maintaining the regression suite will be included in the estimation of the work of test engineers.

3. TESTING TOOLS

[This section will describe the automation testing tools and test management tools. There are hundreds of tools out there in the market for testing. It really depends on the type and size of a project for a testing tool to be chosen. Management tools like JIRA, Asana, etc. Automation tools like selenium, cucumber, JUnit, etc.]

UI testing: Selenium webdriver, Junit, Cucumber, Apache POI
DB testing: JDBC
API testing: RestAssured

4. TESTING ENVIRONMENTS

QA1 environment - Functional testing

QA2 environment - Non-Functional testing

Staging environment - UAT testing

5. RELEASE INFO

[This section will describe the release plan with the appropriate version history. This will help to maintain the test execution with modifications for that release. Also, provide a schedule]

Features to Test

The first release will be on Nov 07th which includes 4 sprints as the blow schedule shows.

During this release, several features are required to develop and test:

- Login
- Logout
- Send text message
- Calendar
- Search

TimeLine

Iteration (or) Build No	Start Date	End Date
Iteration#1(sprint#1)	MM/DD/YYYY	MM/DD/YYYY
Iteration#2(sprint#2)	MM/DD/YYYY	MM/DD/YYYY
Iteration#3(sprint#3)	MM/DD/YYYY	MM/DD/YYYY

6. RISKS & MITIGATION:

RMLY

N O	Risk	Mitigation
1	Resource not enough, schedule	Holiday and vacation estimation is included in original schedule
2	Hardware failure during testing	Make ready It team, also maintain backup h/w resources.
3	Too many bugs to handle	Defect management plan is in place to ensure prompt communication and fixing of issues.

7 . TEST REPORT

[This section describes the test summary reports being produced with

frequency. These reports could be generated daily, weekly or monthly basis.

With the Jira-Xray app, a team can see many types of reports that are

automatically generated by the Jira]

8. REVIEW & APPROVALS

The undersigned acknowledge they have reviewed THE TEST PLAN document and agree with the approach it presents. Any changes to this Requirements Definition will be coordinated with and approved by the undersigned or their designated representatives.

Signature:
Date:
Print Name:
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