TEST PLAN
Runa – Project Gmail

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1 Introduction

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

1.1 Objectives

Gmail is a great tool that will provide security, smart and easy to use email at the final user

This tool will be migrated from legacy and will be written with Java using a database. The test team is responsible for testing the product and ensuring it meets their needs. The test team is both the customer and the tester in this project.

Phase 1 of the project will deliver TC (Test Case) with functionality to create and store manual tests.

Phase 2 of the project will build a framework of the automation test and added to ci/cd

1.2 Team Members

Resource Name	Role
Lucilene	Qa Engineer

2 Scope

The initial phase will include all 'must have' requirements. These and any other requirements that get included must all be tested. At the end of Phase 1, a tester must be able to:

1. Create a manual test with as many steps as necessary
2. Save it
3. Retrieve it and have the ability to view it when running the test
4. Enter results and appropriate comments
5. View results

As the team works with the product they will define the needs for the second phase.

At the final of Phase 2, a tester must be able to :

1. Create a new Framework of the UI Test

2. Create a automation test with as many steps as necessary

3. Run and get fast feedback of the features

4. Create a CI/CD with GithubActions

5. Enter results and appropriate comments in a DashBoard

6. View results on Dashboard

Rewriting, moving or porting existing test cases from the existing Word documents is not considered part of this project.

3 Assumptions / Risks

3.1 Assumptions

This section lists assumptions that are made specific to this project.

1. Delivery of the product is in format that the test team can check it into CVS.

3.2 Risks

The following risks have been identified and the appropriate action identified to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk was triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

#	Risk	Impact	Trigger	Mitigation Plan
1	Possibility of the test on Stage environment	High	Product will not be tested at final	Controller environment on stage with feature flags, turn off recaptcha, verification of number , telephone and some another feature that we need to turn off or controll to run our tests
2	Changes to the functionality may negate the tests already written and we may loose test cases already written	High – to schedule and quality	Loss of all test cases	Export data prior to any upgrade, massage as necessary and re-import after upgrade and maintain high communication about changes
3	Data Test Controll	High	Product will not be tested at final	On telephone features and code verification we need a valid phone and code to run our tests, so we need to developer mock these information on code.
4				

4 Test Approach

The project is using an agile approach, with weekly iterations. At the end of each week the requirements identified for that iteration will be delivered to the team and will be tested.

4.1 Test Manual

Part of the job will be for exploratory testing to understand about feature and create the test scenarios. Tests for planned functionality will be created and added to TC(scenario test and BDD on automation) as we get iterations of the product.

4.2 Test Automation

Another part of the job will be to build automation test scenarios.
It will be use Cypress,Dashboard language Javacript and BDD .
Focused in run scenario test and deliver a live documentation (BDD) and will deliver dashboard with the status of the scenarios. Test Environment
A new server is required for the web server, the application and the database.

5 Milestones / Deliverables

5.1 Test Schedule

The initial test schedule follows……….

Task Name	Start	Finish	Effort	Comments
Test Planning				
Review Requirements documents				
Create initial test estimates				
Test Automation				
First deploy to QA test environment				
Functional testing – Iteration 1				
Iteration 2 deploy to QA test environment				
Functional testing – Iteration 2				
System testing				
Regression testing				
UAT				
Resolution of final defects and final build testing				
Deploy to Staging environment				
Automation test				
Release to Production				

5.2 Deliverables

Deliverable	For	Date / Milestone
Test Plan	Project Manager; Test Team and Developer Team	
Traceability Matrix	Project Manager; QA Team and Developer Team	
Test Results	Project Manager	
Test Status report	QA Engineer	
Metrics	All team members	