Gmail project

- Test Plan -

Revision History

Date	Description	Author	Comments
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1. Introduction

The Gmail project aims to provide a net banking facility to its customers.
This release will have limited features. Over a period of time, new and new functionalities will be added to the site.

1.1 Project Objective

We need to raise the trust in the quality of the project as high as possible before releasing it to customers.

Application under test: https://mail.google.com/mail/u/0/#inbox

Documentation : https://support.google.com/mail/?hl=en#topic=3394151

1.2 Functionalities in scope

- All features which are defined in Gmail business requirements will be tested using the following testing types: functional testing, system testing, acceptance testing, components testing, compatibility testing, User Interface (UI) Testing, Mobile Responsiveness Testing.
- The Gmail Web and Mobile application will be tested on the latest versions of Mozilla, Microsoft Edge and Chrome browsers.
- Usability Testing (Evaluation of user experience quality and design elements.)

1.3 Functionalities and tests out of scope

- Non-functional testing like stress, performance is beyond scope of this project.
- Automation testing is beyond scope.
- Compatibility Testing for Specific Browsers
- Security Penetration Testing
- End-to-End Testing
- Localization Testing
- User Acceptance Testing
- Third-Party API Testing

2. Test process

2.1 Test planning

Roles and responsibilities

Laurentiu S. -QA junior	Will test the following modules: Manage your Gmail account, Read & organize emails, Settings, Write an email, Gmail - User Interface (UI) Testing
x - QA Senior	Will test the following modules: Duet AI, Use spaces in Gmail, Use chat in Gmail

Entry criteria:

- smoke test passed (being the most basic type of test, this is a very important entry criteria in the process of testing)
- The testing environment is up and running.
- Roles and responsibilities for the project allocated.
- Functional business specifications are defined.

Exit criteria:

- 100% of tests are executed.
- 90% of tests are passed.
- no Critical issues have Open status.
- update tests are 100% passed (update tests will not generate other new issues that impact the application)
- Exploratory testing was performed on an Admin module.

Risks:

- stability risks (crashes, disconnects, etc.)
- Microsoft Edge browser might have performance issues.
- The web page pagination could be impacted when opened on mobile devices.
- stress conditions might impact the web application.
- new browser might not be supported.

2.2 Test analysis

- we plan on running a full regression test on the current version.
- Analyze the business requirements to make sure that we have all the details for creating the test conditions.
- Write test conditions.
- We plan on running a full regression test on the current version.

2.3 Test design

- All the test cases are written and reviewed.
- All test cases are created in Jira as test management tools.

2.4 Test implementation

- all the test data is available and reviewed (test data= email examples, password examples, employee, user with admin role)
- This test run includes only regression testing in which we will run tests that have the highest priority, this will be our main priority.
- Create the test suites (Cycle summary)

2.5 Test execution

- The tests will be executed on the latest versions of browsers: Chrome, Mozilla Firefox, Microsoft Edge. If time will be available, we will extend tests on other browsers.
- Bugs (defects) will be created based on the failed test cases.
- The full regression testing will be done after the new application changes.
- Retesting will be done after a bug fix.

2.6 Test closure

- At least 90% of tests are passed.
- No Critical issues have Open status.

2.7 Test monitoring and control

- Status reports will be generated to reflect the current status of the testing process.
- In case of major problems, control measures will be taken.

3. Test deliverables

3.1 Test plan

3.2 Test conditions

The test conditions will be created based on the business requirements validated in the test analysis phase and will represent the features to be tested and transformed into test cases.
https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Epic%203.2.pdf
https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Story%203.2.pdf
https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Task%203.2.pdf
https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Tests%203.2.pdf

3.3 Test cases

(https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Zephyr%20Test%20Steps%20(Jira)%203.3.pdf)

3.4 Daily/Weekly/Monthly test summary report
(https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Zephyr%20Squad%203.4.PNG)

3.5 Traceability matrix

(https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Forward%20Traceability_11_3_2024.pdf))](https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Forward%20Traceability%203.5.pdf)

3.6 Test case results

(https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Zephyr%20Test%20Steps%20%2B%20Executions%20%2B%20Results%20(Jira)%203.6.pdf)

3.7 Bugs report

(https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Defects%203.7.pdf)

3.8 Test completion report

(https://github.com/LaurentiuSandu93/Manual-Testing/blob/main/Final%20Report%203.8.pdf)

3.9 Schedule

- we have 10 days of testing

- we have 30 test tests
- in order to finish the regression run we would need to run an ~ of 3 tests/day