**TEST PLAN TEMPLATE**

**G-MAIL**

**APPLICATION**

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**TABLE OF CONTENTS**

1.INTRODUCTION

2.OBJECTIVES AND IDEAS

* Objectives
* tasks

3.SCOPE

4.Testing Strategy

* Alpha testing (Unit testing)
* System and Integration Testing
* Performance and Stress Testing
* User Acceptance Testing
* Batch Testing
* Automated Regression Testing
* Beta Testing

5.Hardware Requirements

6. Environment Requirements

7. Test Schedule

8.Resources/Roles and Responsibilities

9.Risks and Assumptions

10.Tools

**INTRODUCTION**

Gmail (pronounced *Gee-mail*) is a free Web-based e-mail service that provides users with a gigabyte of storage for messages and provides the ability to search for specific messages. The Gmail program also automatically organizes successively related messages into a conversational thread.

According to Google co-founder and president Larry Page, the company was inspired to create Gmail because of a user's letter complaining about problems with existing Web e-mail services, such as the constant need to delete messages to stay within storage limits, and the lack of any searching ability. The two largest Web e-mail providers, Yahoo and Microsoft, allow users four megabytes and two megabytes, respectively, for storing messages. Both services charge a fee for additional storage. Yahoo Mail provides a search capability; Microsoft's Hotmail service does not.

**FUNCTIONS OF G-MAIL**

1.automatic reply to messages

2.auto-forward and redirection of messages

3.facility to send copies of a message to many people

4.automatic filing and retrieval of messages

5.addresses can be stored in an address book and retrieved instantly

6.notification if a message cannot be delivered

7.e-mail are automatically date and time stamped

8.signatures can be attached

9.files, graphics or sound can be sent as attachments, often in compressed formats.

10.webmail and mobile email can be used to receive and send messages while on the move.

**OBJECTIVES AND TASKS**

Objectives and Tasks of a G-mail Application is to mainly login the respective person into their accounts by gathering the required user details like name, address, mail-id, phone number etc.

**SCOPE**

Inbox functionality and Compose Email Functionality is going to be tested with the user interfaces and all the functions of the application.

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* **Recommended**—These scopes provide the smallest scope of authorization access and do not require any app verification or security assessment. Create, read, update, and delete labels only.
* **Sensitive**—These scopes allow access to Google User Data and require a sensitive scope verification process. These scopes do not require a security assessment. Send messages only. No read or modify privileges on mailbox.
* **Restricted**—These scopes provide wide access to Google User Data and require you to go through a restricted scope verification process. For information on this requirement, If you store restricted scope data on servers (or transmit), then you need to go through a security assessment. Read all resources and their metadata—no write operations.

**TESTING STRATEGY**

**Gmail Inbox Functionality**

* Check the recently received unread email is displayed as highlighted and bold in the Inbox section.
* Check is all the elements of the received email are correctly displayed or not.
* Check when the user clicks on the new email, it redirects the user to the email content or not.
* Check is the email content is displaying in the proper format or not.
* Check the attached documents of the email are downloadable.
* Check the already read emails should not be the highlight.
* Check the number of unread email counts should be displayed beside the inbox text box.
* Check if is the count is increased as per the number of new emails you are received.
* Check the count is increased when you mark an email as unread.
* Check after open or make as read an email. The count should be decreased.
* Check the names are visible to all the users whose names are present in CC & To section.
* Check those names or emails are present in the BCC section should not display to others.
* Check you can receive emails from other domains like yahoo, outlook & Hotmail.

**Gmail Compose Email Functionality**

* Check when the user clicks on the compose email button, a new popup should be displayed with the headers as a new message.
* Check the user able to enter email ID in the TO, CC, and BCC Section.
* Check is the auto-suggestion list of previously entered email id is displaying or not when filling the email.
* Check is multiple commas are allowed to separate multiple email ids of TO, CC, and BCC sections.
* Check the user can enter the subject line in the subject text box.
* Check the user can type in the email body area.
* Check user can format the email body content by using the editor options.
* The check is the user can add files in the attachment section.
* The check is the user can add images in the email body area.
* Check all the users should be received the emails whose email ids are mentioned in the TO, CC & BCC sections.
* Check when the user places mouse hovers on the email id, then contact information should be displayed.
* After hitting the send button, the recent send mail should be displayed in the sent mail section.
* Check after hitting the send button the email should be delivered successfully to the non-Gmail ID also.
* Check after composing the email if not sent, then that should be stored in the Draft section.
* Check what the maximum number of emails ID is can be added in the TO, CC & BCC sections.
* Check what the maximum number of characters allowed in the email body area is.
* Check the maximum allowed characters in the subject text box.
* Check the maximum size of the attached file in the email.
* Check the maximum number of the attached files in an email.
* Check if special characters are entered mistakenly in the TO, CC, or BCC section, and when you hit the send button, an error popup should be displayed.

**HARDWARE REQUIREMENTS**

Dynamic Emails are supported in the latest version of the official g-mail app for IOS and official Gmail app for Android

On Android the minimum required OS version is 5.0 with the system WebView version of 74 or above.

ENVIRONMENT REQUIREMENTS

* Setup Of Test Server
* Network
* Internet setup
* Private network
* System and applications

TESTING SCHEDULE

* Test plan is approved
* Functional Specifications written and delivered to the testing
* Environment should be ready for login testing
* Perform the tests

RESOURCES&RESPONSIBILITIES

Gmail includes

* Markup
* Delivery
* Priority Inbox
* CSS in mail

The Test Manager is responsible for facilitating the test project, coordinating availability and schedule the testers and training them as needed. Each tester should understand the testing expectations.

**RISKS/ASSUMPTIONS**

1.Minding your credentials

2.Ouath Basics

3.Google sign-in on Android

4.Google sign-in on IOS

**TOOLS:**

Tools used for g-mail testing:

1. Litmus
2. Mailosaur
3. Mail Tester
4. Reach Mail
5. Mail Trap
6. Email on Acid