

*ChangeLog*

| **Version** | **Change Date** | **By** | **Description** |
| --- | --- | --- | --- |
| version number | Date of Change | Name of person who made changes | Description of the changes made |
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# Introduction

Brief introduction of the test strategies, process, workflow and methodologies used for the project

## Scope

### In-Scope

Scope defines the features, functional or non-functional requirements of the software that **will be** tested

The test will aim to test several features. These features are …

1. Logging into the system
2. Sending a composed email
3. Searching and forwarding emails
4. Attaching attachments
5. Admin should have control and log in.

### Out-of-Scope

Out-Of-Scope defines the features, functional or non-functional requirements of the software that **will NOT be** tested

The test will not test these features.

1. Runtime of the system
2. Safety (how easy it is to get in without using the login system)

## Quality Objective

Here make a mention of the overall objective that you plan to achieve without your testing

Some objectives of your testing project could be

* Ensure the Application Under Test conforms to functional and non-functional requirements
* Ensure the AUT meets the quality specifications defined by the client
* Bugs/issues are identified and fixed before go live

Our goal with the test is to make sure that the features that were implemented are working. During this process, we will identify what bugs exist and work on solving them.

## Roles and Responsibilities

Detail description of the Roles and responsibilities of different team members like

* QA Analyst
* Test Manager
* Configuration Manager
* Developers
* Installation Team

Amongst others.

| **Name** | **Net ID** | **GitHub username** | **Role** |
| --- | --- | --- | --- |
| Grayson Bell | gb968 | gb968 | Developer, QA Analyst, Installation Team |
| David Zheng | dz183 | dz183 | Test Manager, QA Analyst, Configuration Manager |
|  |  |  |  |
|  |  |  |  |

# Test Methodology

## Overview

Mention the reason of adopting a particular test methodology for the project. The test methodology selected for the project could be

* WaterFall
* Iterative
* Agile
* Extreme Programming

The methodology selected depends on multiple factors. You can read about Test Methodology [here](http://www.guru99.com/testing-methodology.html)

We decided to go with an iterative method due to the uncertainty of the project. We believe that we can fulfill the requirements to a greater quality even though it will be at the expense of time. We can constantly make changes and create the best product we can.

## Test Levels

**Test Levels define the Types of Testing (Unit Test, Integration Test, etc…) to be executed on the Application Under Test (AUT**). The Testing Levels primarily depends on the scope of the project, time and budget constraints.

This test will primarily be a unit test with each individual part being tested. There might be a bit of integration test since we are putting the features/functions/individual parts together..

## Bug Triage

The goal of the triage is to

* To define the type of resolution for each bug
* To prioritize bugs and determine a schedule for all “To Be Fixed Bugs’.

This is where the bugs that have been discovered will be listed. We will update this list along with it’s priority and resolution type.

## Suspension Criteria and Resumption Requirements

Suspension criteria define the criteria to be used to suspend all or part of the testing procedure while Resumption criteria determine when testing can resume after it has been suspended

Suspension: Suspend if what is being returned is incorrect.

Resumption: Resume as long as the part returns what is intended, then continue with the test.

## Test Completeness

Test Completeness will be determined by

* Test most of the system
* Correct outputs
* Automated test cases are executed and manual test cases work
* Bugs are fixed in the next release or now.

# Test Deliverables

We will create the following deliverables.

Deliverables

| * Test Plan * Test Cases * Requirement Traceability Matrix * Bug Reports * Test Strategy * Test Metrics * Customer Sign Off |
| --- |

# Resource & Environment Needs

## Testing Tools

Tools

* Travis CI
* Github

Required to test the project

## Test Environment

It mentions the minimum **hardware** requirements that will be used to test the Application.

Following **software’s** are required in addition to client-specific software.

* Windows 8 and above
* Linux

# Terms/Acronyms

Make a mention of any terms or acronyms used in the project

| **TERM/ACRONYM** | **DEFINITION** |
| --- | --- |
| API | Application Program Interface |
| AUT | Application Under Test |