
Group 05

**GLocate
Test Plan**

Version 1.0

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<Iteration/ Master> Test Plan	Date: 23/12/2019

Revision History

Date	Version	Description	Author
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Test Plan

1. Introduction

1.1 Purpose

The purpose of the Test Plan is to gather all the information necessary to plan and control the test effort for the given iteration. It describes the approach to the testing of the software and is the top-level plan generated and used by the managers to direct the test effort.

This Test Plan document for the GLocate application supports the following objectives:

- Identifies the items that should be targeted by the tests.
- Identify the required resources, both non-human and human.

2. Target Test Items

Three features of the app will be tested:

- The signing up functionality that allows the user to create a new account.
- The single-user map functionality that allows the user to see their real-time location displayed on a map.
- The single-user marker functionality that allows the user to place, move, or remove a marker from the map.

3. Environmental Needs

This section presents the non-human resources required for the **Test Plan**.

3.1 Hardware Requirements

The following table sets forth the system resources for the testing project.

Resource	Name / Type
Database Server	Firebase Realtime Database
Client Test Device	iPhone 6
Test Repository	The test results are stored in an Excel file on a standard HP laptop

3.2 Software in the Test Environment

The following base software elements are required in the test environment for this *Test Plan*.

Software Name	Purpose	Type and Other Notes
Windows 10, 64 bit	The operating system of the laptop that stores the test results	Operating System
iOS 12.4.3	The operating system of the mobile device that is used to test the app	Operating System

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3.3 Productivity and Support Tools

The following tools will be employed to support the test process for this *Test Plan*.

Tool Category or Type	Tool Brand Name	Vendor or In-house
Defect Tracking	Microsoft Excel - Microsoft Office 365 ProPlus	Microsoft
Progress Tracking	Trello	Atlassian
Communications	Slack	Slack

4. Responsibilities, Staffing, and Training Needs

4.1 People and Roles

This table shows the staffing assumptions for the test effort.

Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test Manager	1	Provides management oversight. Responsibilities include: <ul style="list-style-type: none"> planning and logistics acquire appropriate resources present management reporting
Test Analyst	3	Identifies and defines the specific tests to be conducted. Responsibilities include: <ul style="list-style-type: none"> identify test ideas define test details
Tester	1	Implements and executes the tests. Responsibilities include: <ul style="list-style-type: none"> execute test suites log results analyse and recover from test failures document incidents