

TEST PLAN FOR SEC

ChangeLog

Version	Change Date	By	Description
1		Abdelrhman Elswalhi	

1	INTRODUCTION	2
1.1	SCOPE	3
1.1.1	<i>In Scope</i>	3
1.1.2	<i>Out of Scope</i>	3
1.2	QUALITY OBJECTIVE	3
1.3	ROLES AND RESPONSIBILITIES	3
2	TEST METHODOLOGY	4
2.1	OVERVIEW	4
2.2	TEST LEVELS	4
2.3	BUG TRIAGE	4
2.4	TEST COMPLETENESS	4
3	TEST DELIVERABLES	5
4	RESOURCE & ENVIRONMENT NEEDS	5
4.1	TESTING TOOLS	5
4.2	TEST ENVIRONMENT	5
5	TERMS/ACRONYMS	5

1 Introduction

We will follow a step-by-step testing process, starting from unit tests and progressing to UAT (User Acceptance Testing). The test plan will encompass various testing methodologies, including:

1- Unit Test:

Detailed testing of individual components to ensure their functionality in isolation.

2- Rest Assured:

Focused testing of RESTful APIs to verify their performance and functionality.

3- Web Automation Test:

Automated testing of web applications, ensuring the proper functioning of web-based features.

Manual Testing:

Hands-on testing by human testers to identify and address any issues not covered by automated tests.

4- UI Testing:

Verification of the user interface to ensure a seamless and user-friendly experience.

System Test:

Comprehensive testing of the entire system to validate its compliance with specified requirements.

5- Regression Test:

Repeated testing of previously validated features to ensure that new changes have not negatively impacted existing functionality.

6- UAT (User Acceptance Testing):

Involvement of end-users to evaluate the system's overall compliance with their needs and requirements.

7- Alpha and Beta Testing:

Alpha testing within a controlled environment to identify issues before a broader release. Beta testing involves a limited release to gather user feedback and make further improvements.

1.1 Scope

1.1.1 In Scope

manage accounts
review guard accounts
Real-time GPS Tracking
Locations history by date
Send / Receiving Tickets
Receive Notification
send sms message
rating guards
manage contracts
reports
critical messages
tasks management
check in with camera
subscriptions
saas services

1.1.2 Out of Scope

Payment and money transfer

1.2 Quality Objective

- 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
- Ensure That the real time working correctly asap
- Optimize the testing process to ensure efficient performance

1.3 Roles and Responsibilities

- QA Analyst
- Test Manager
- Developers

2 Test Methodology

2.1 Overview

2.1.1 Agile

Agile testing is a dynamic and collaborative approach to ensuring software quality within Agile development methodologies. It emphasizes continuous testing throughout the development process, with a focus on collaboration, automation, and adaptability. Testers work closely with developers, create automated tests, and conduct continuous regression testing to deliver high-quality software in small, iterative increments. The process is driven by user stories, acceptance criteria, and regular sprint reviews, fostering flexibility and responsiveness to changing requirements. Overall, Agile testing integrates seamlessly with Agile development practices to achieve rapid and reliable delivery of software products.

2.2 Test Levels

- Unit Testing.
- Integration Testing.
- System Testing.
- Acceptance Testing.

2.3 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”.

2.4 Test Completeness

- 100% test coverage
- All Manual & Automated Test cases executed
- All open bugs are fixed or will be fixed in next release

3 Test Deliverable

-
- Test Plan
 - Test Cases
 - Bug Reports
 - Test Strategy
-

4 Resource & Environment Needs

4.1 Testing Tools

- Zephyr scale
- Selenium
- Cucmber
- Rest Assured
- Jam.dev

4.2 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
- Android 10 and above
- Mac 9 and above

5 Terms/Acronyms

TERM/ACRONYM	DEFINITION
API	Application Program Interface
AUT	Application Under Test
UAT	User Acceptance Testing