**Test plan for**

**Safeat**

*ChangeLog*

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| --- | --- | --- | --- |
| **Version** | **Change Date** | **By** | **Description** |
| V1 | February 25, 2021 | James Harvey | Added preliminary testing plan information |
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# Introduction

Brief introduction of the scope, strategies, processes, workflow and methodologies used for Safeat

## Scope

### In-Scope

Back End: All endpoints

Front End:

### Out-of-Scope

Acceptance: Login route, only default route will be tested

## Quality Objective

Here make a mention of the overall objevtie that you plan to achive withou your testing

Some objectives of your testing project could be

* Ensure the Application Under Test (AUT) 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
* All automated tests pass before pull request is merge

## Roles and Responsibilities

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Net ID** | **GitHub username** | **Role** |
| James Harvey | harveyj5 | Le-DarkOverlord | Full Stack Developer |
| Ezra Hall |  | ezrahall | Front End Developer |
| Matt Lewis |  | Matthew9799 | Back End  Developer |
| Tahmidul Hasnain Zidaan |  | thzidaan | Front End Developer |
| Michael Ukwenya |  | ukwenyam | Full Stack Developer |

# Test Methodology

## Overview

Safeat is following the Agile testing methodolgy. Since the overall project is mostly following the Agile methodology, it makes the most sense for testing to be a part of that.

## 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.

Frontend:

* Unit
* Integration
* Acceptance

Backend:

* Unit
* Integration

## Test Completeness

Here you define the criterias that will deem your testing complete.

For instance, a few criteria to check Test Completeness would be

* 100% Test coverage of API endpoints
* All tests automated and test cases executed
* All open bugs relating to features in cur
* All bugs discovered for future milestones or features fixed in next release

# Test Deliverables

|  |
| --- |
| * Test Plan * Back End test suites * Front End test suites * Test cases * Test failure logs * Bug Reports |

# Resource & Environment Needs

## Testing Tools

* GitHub Actions
* .yml scripts

## 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.

1. Windows 8 and above
2. GitHub Actions
3. …

# 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 |