**Test plan for**

**Belighted**

*ChangeLog*

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| --- | --- | --- | --- |
| **Version** | **Change Date** | **By** | **Description** |
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# Introduction

This testplan is developed for all the changes and documenting all testing activities for Login/Creating Modules/Creating Training /Inviting Participants

## Scope

### In Scope

Following Features will be tested Web, Mobile :

|  |  |
| --- | --- |
| Feature | Scenarios |
| for Login/Creating Modules/Creating Training /Inviting Participants | * Verify User is logged in Successfully * Verify User is able to Create a Module * Verify User is able to update Module * Verify User is not able to publish Module with no title or Duration in Minutes * Verify User is able to created training * Verify User is not able to publish training with no title * Verify User is able to Search training * Verify User is able Add/Invite Participants |

### Out of Scope

Any feature not mentioned in scope

## Quality Objective

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

## 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

# Test Approach

## Overview

**Tool :**

Selected Tool is **Cypress** Tool select is based on :

* Alignment with Tech Stack : Since your application is based Developed in React and Since you have previous scripts developed with Cypress
* Compatability and Ease of use . and Fast
* Availability of support, quality documentation, and technical forums and Free there fore the following tools are selected
* Tool Supports testing for both API and UI Level
* Tool is free
* Support chrome and Firefox (beta): Since there was no mentioned in use case for Specific webbrowser then this will be enough

**Framework:**

* Mocha
* Design : Combination of Data Driven and Page Object Model
* Add both options for testing every single page and also testing End to End scenarios
* Reporting using mochawesome
* Used mochawesome Merge tool to Merge all tests

## 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’.

## Test Completeness

**Entry Criteria:**

* Code is done
* Testing env is ready
* Testcases are created

**Exist Criteria:**

* 100% test coverage
* All Scanerios are Automated

# Resource & Environment Needs

## Testing Tools

* Cypress

## Test Environment

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

1. Linux Ubuntu 18

# Risk Identification & Planning

The below lists potential foreseen risks that should be taken into consideration from quality perspective:

|  |  |  |
| --- | --- | --- |
| **Risk** | **Possible Impact** | **Mitigation** |
| **Code Change** | Script will fail | 1. During planning for Automation ,scenarios selected should not change regularly 2. In case it happens developer and QA should meet and Analyse failing script |
| **No Available testcases to be Automated** | Flaky tests will uncertain expected result | 1. QA Should create Scenarios and for Automation engineers to create solid scripts |
| **New update of the testing tool** | Tests could fail on the new tool | 1. Qa automation team should check release notes and community of the tool to see new version is buggy or if it is gonna give a value when migrating to the new version 2. If first point is already done and Migration should take place QA automation team should update scripts |
| **New update of browser** | Test will fail | 1. QA Team should double check requirement to see the supported platforms 2. If first point is already done and Migration should take place QA automation team should update scripts |

# 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 |