**Courses Roadmap**

Master Test Plan

Version <1.2>

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 20/12/2021 | <1.0> | Fill-in all detail: Purpose, target, hardware, software, support tools, testing resources | Ngô Huy Anh |
| 24/12/2021 | <1.1> | Updated | Ngô Huy Anh |
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**Master Test Plan**

# Introduction

## Purpose

This test plan document is to provide the target of the testing phase. It describes the target of the test item (such as performance, security, etc). In addition, the hardwares and softwares which are used to test will be included. The document can be used by the tester, test manager and developer.

# Target Test Items

The CoursesRoadmap application is a web application. We select five main features to test:

* Create, edit and delete courses (Admin)
* View, enroll and post reviews for courses
* View and write story
* View and edit user profile
* View and edit role for users (Admin)

To provide a good experience for users, the areas to test are: functional testing, compatibility testing.

# Environmental Needs

## Hardware Requirements

Laptop or PC already setting npm, JavaScript, NodeJS and all packages in package.json with web browser.

## Software in the Test Environment

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Software Name** | **Purpose** | **Version** | **Type and Other Notes** |
| Google Chrome | Run application while testing | 23 or higher | Browser |
| Microsoft Edge | Run application while testing | 10 or higher | Browser |
| Firefox | Run application while testing | 21 or higher | Browser |
| NodeJS | It is an environment to run React.js projects and run programs to fix bugs | v16.13.0 | Environment |
| Windows 10, 64 bit | Run test case | 7 - 11 | Operating System |

## 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** | **Version** |
| Defect Tracking | Google Sheet | Google | Latest |
| Test plan specification | Google Docs | Google | Latest |

# Responsibilities, Staffing, and Training Needs

## People and Roles

This table shows the staffing assumptions for the test effort.

|  |  |  |
| --- | --- | --- |
| **Human Resources** | | |
| **Role** | **Minimum Resources Recommended** | **Specific Responsibilities or Comments** |
| Test Manager | Ngô Huy Anh  Nguyễn Đức Nam | Provides management oversight.  Responsibilities include:   * Planning and logistics * Agree mission * Identify motivators * Acquire appropriate resources * Present management reporting * Advocate the interests of test * Evaluate effectiveness of test effort |
| Tester | Phùng Anh Khoa  Lê Ngọc Minh Nhật  Nguyễn Thanh Quân | Implements and executes the tests.  Responsibilities include:   * Implement tests and test suites * Execute test suites * Log results * Analyze and recover from test failures * Document incidents |