**Identify Courses**

**Test Strategy**

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**Test Strategy – Identify Courses**

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**Test Strategy – Identify Courses**

**1.0 Introduction**

**1.1 Purpose**

The Test Strategy document is used to define types of testing, levels of testing and to record the approach that will be used for the various types of testing of the system. This document outlines the approach to be used to ensure that the critical functionalities, both new and existing, of the system are tested at the appropriate level.

The Test Strategy document will also define the scope of testing to enable the development of test conditions, test cases, automation and estimates.

The Test Strategy document serves as a communication vehicle to identify any testing issues as early as possible in the project lifecycle.

**1.2 Target Audience**

Business Unit(BU) SME

Academy Coach

Technical Trainer

**2.0 System Description**

Coursera is a world-wide online learning platform founded in 2012 by Stanford professors Andrew Ng and Daphne Koller that offers massive open online courses (MOOC), specializations, and degrees.

Coursera works with universities and other organizations to offer online courses, specializations, and degrees in a variety of subjects, such as engineering, data science, machine learning, mathematics, business, computer science, digital marketing, humanities, medicine, biology, social sciences, and others.

**3.0 Test Deliverables**

|  |  |
| --- | --- |
| Project Phase | Deliverables |
| Test Planning | **·** Test Strategy Document |
| Test Analysis & Design | **·** Test Conditions  **·** Test Cases  **·** Test Data  **·** Test Environment  **·** Automated Test Scripts |
| Test Execution | **·** Test Logs |
| Test Completion | **·** Test Summary Report |

**4.0 Test Types**

The following are the types of Testing used in the Identify courses

1. Functional Testing
2. Automation Testing

**5.0 Multi browser Testing**

Based on the requirements for the application the testing is done on two browsers to ensure the working of the application in multiple browsers. The two browsers used for testing are Chrome and Edge.

**cours6.0 Test Data**

Test data for the application is provided from excel file. The test data are stored in the excel file and provided during run time. Data driven library creation is done using JSON and property file is used to keep the URL.

**7.0 Resources Required**

**7.1 Hardware**

* PC

**7.2 Software**

* Windows 7 and above
* Chrome
* Edge
* MS Excel
* Property File
* POM
* Selenium Web drivers
* Apache POI
* TestNG
* Extent Reports
* Selenium Grid