iTeLearn

TEst Plan

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**Client**: Varkasa Inc



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# 1. Introduction

This Test plan document describes the testing approach, test strategy, test execution process, defect management process that will drive the testing of the iTeLearn. The document contains testing Scope,schedules,describes the roles and responsibilities.

## 1.1Objective

The Purpose of this document is to describe the testing strategy in the process of testing in iTeLearn. The main aim in testing is to ensure that the iTeLearn website is working as per the requirements.

**1.2 Project Overview**

iTeLearn, one of the best online training providers offers career oriented IT courses, specially test automation training courses.

It provide easy access to 200+ high quality videos that help master the tools and prepare for today’s job market.It have complete QA/Testing training package as part of the current [ITeLearn](https://www.itelearn.com/) training services.

1. **Scope**

**In-Scope**

Functional Testing of the User Stories from all the Modules.

**Out Of Scope**

Performance Testing.

1. **Test Strategy**

**5.1 Testing Approach**

The objective of the testing process is to verify that the functionality of ITeLearn website works according to the specifications.

The test will execute and verify the test scripts, identify, fix and retest all high and medium severity defects per the entrance criteria, prioritize lower severity defects for future fixing.

**5.2 Test Levels**

**Exploratory testing** : The purpose of this test is to make sure that critical defects are removed before the next levels of testing can start.

**Smoke Testing** : Initial testing to be done on the application to make sure all the major functionalities are working fine.

**Functional Testing** : Functional testing will be performed to check the functions of application. The functional testing is carried out by giving the input and validates the output from the application.

**Retesting :** It is performed once the bug is fixed to ensure the defect is removed from the application.

**Regression Testing :** Performed to ensure that the entire features and functionalities are working fine after the bug is fix.

## 5.3 Testing Tasks

* Select the User stories
* Write the Test cases
* Write the test scripts
* Execution of the test Cases
* Tracking the Defects
* Reporting the Bugs and Ensure all the bugs are fixed

## 5.4 Test deliverables

* Test Plan Document
* Test Case Documents
* Test Data Documents
* Defect reports
* Daily status reports

**5.5 Environment Requirements**

## Hardware

Any OS system with a broadband connection

## Software

Installation of Java(JDK)

Installation of Eclipse IDE

## Security

## Tools

1. **Execution Strategy**
   1. **Entry Criteria**

The entry criteria refer to the desirable conditions in order to start test execution.

* 1. **Exit Criteria**

The exit criteria are the desirable conditions that need to be met in order proceed with the implementation.

At this stage

* 100% Test Scripts executed
* 95% pass rate of Test Scripts
* No open Critical and High severity defects
* 95% of Medium severity defects have been closed

1. **Defect Management**

Testers must execute all the scripts in each of the cycles. If the tester identifies defects even after completion of all the cycles then the testers need to perform additional testing to ensure that product is defect free.

## Prioritization of Defects

During all the levels of testing, defects will be logged in (any test management tool) and assigned a status and priority. Defects found during the Testing will be categorized according to the Severity and Priority .

The categories are:

* **Critical** -This bug is critical enough to crash the system, cause file corruption, or cause potential data loss.Must be fixed Immediately.
* **High**-It causes a lack of vital program functionality with workaround.
* **Medium** -This bug prevents other areas of the product from being tested. .
* **Low** - workaround available.There is an insufficient or unclear error message, which has low impact on an application.
* **Very Low –**There is an insufficient or unclear error message that has no impact on product use.