

Test Strategy Document

1. Testing Approach:

1.1 Introduction

The test approach is about a learning web application where students or teachers from anywhere in range division Chittagong can access the platform and can gather the information about their education.

1.2 Testing Objectives

The primary objectives of testing about the website is to find out the test cases and bugs and then report to the developer .

1.3 Testing Types and Methodologies

These are the types of testing to be conducted as:

- Functionality Testing
- Usability Testing
- Performance Testing
- API Testing
- Bug Report
- Automation Testing

1.4 Testing Environment:

- Browser: Google Chrome
- Apache Jmeter for Performance Testing
- POSTMAN for API testing
- Test Cases and Bug Report in Excel
- Automation Testing in Selenium both Chrome and Firefox driver

1.5 Risk Management

The potential risk should be identified like can the project be done within the time limit of the client. If not then the cost of the project will be up for the team. So the project manager should estimate the time limit in that way. And the tester need to find out is there any loophole in the system or not. These steps is to follow through the project.

1.6 Test Exit Criteria

- Bugs should be removed
- Performance should be good
- There should be no loop hole in the system
- The test schedule should be followed and the work should be done in time limit.

2 Test Scope

2.1 Introduction

The test is about a learning web application where students or teachers from anywhere in range division Chittagong can access the platform and can gather the information about their education.

2.2 Features And Functionality

The Features and Functionality Should be tested as follows;

- Teachers Registration and Login.
- Students Registration and Login.
- School Navigation .
- Collecting Resources as need of a student like books.
- Search Functionality.
- Quiz section.
- Profile.
- Responsive for small screen.
- Logout

2.3 Test Data

Here the data should be used like Teachers information to registration or login. Same follows as Students their information for registration and login. Different search keyword can be a testing data.

2.4 Test Cases

Here this is the Test Cases file link click here to visit [File](#)

2.5 Sign-Off

Name of Members	Position	Working Status	Signature
Shakib	Project manager	Done	Shakib
Rifat	Developer	Done	Rifat
Alif	Tester	Done	Alif