

# **Test Plan for Bohubrihi Website**

**Test Plan ID: BHBRIHI\_WEB\_TP\_001**

## **Introduction:**

This is the System Test Plan for the Bohubrihi website, an online learning platform that provides courses on various topics. The website offers a range of features for students, educators, and guests. It allows users to browse courses, sign up for new programs, manage their profiles, track progress, and receive certificates. The system also includes an Admin interface for managing courses and users. This test plan outlines the scope, strategy, environment, and schedule to validate the web application's functionality, performance, and compatibility.

## **Objective:**

The objective is to test the user and admin interfaces, validate all functionalities, ensure proper browser compatibility (Chrome, Mozilla, and Safari) on both Mac and Windows operating systems, and confirm seamless usage across all environments.

## **Test Items:**

### 1. Admin Interface:

- User Management (Add/Edit/Delete users)
- Course Management (Create/Edit/Delete courses)
- Report Generation
- Payment and subscription tracking

### 2. User Interface:

- Course browsing and enrollment
- User account creation and management
- Course purchase and payment processing
- Course progress tracking
- Quiz and assignment functionalities
- Certificate generation upon course completion

## **References:**

- Requirements Documentation
- Project Plan
- Test Strategy
- Use Cases/Flowcharts
- Design Documents (High and Low level)
- Process Guidelines
- Prototypes

### **Features to be Tested:**

#### **1. Admin Interface:**

- User Management: Add, Edit, Delete users
- Course Management: Create, Edit, Delete courses
- Reports: Generate user and course completion reports
- Payments: Verify payments, Track subscription status

#### **2. User Interface:**

- Browsing: View all courses, Search courses, Filter by topics
- Account Management: Sign up, Log in, Log out, Edit profile
- Course Enrollment: Add to cart, Purchase, Enroll
- Progress Tracking: View progress, Complete quizzes, Submit assignments
- Certificates: Generate course completion certificates

### **Features Not to be Tested:**

- Internal Admin workflows unrelated to user and course management.
- Third-party integrations for newsletters and external course links.

### **Entry Criteria:**

- Approved requirements document.
- Access to staging environment.
- Test cases designed and reviewed.
- Test data available.
- Environment setup (Windows and MacOS with Chrome, Mozilla, and Safari).

### **Test Environment:**

- Operating Systems: MacOS and Windows
- Browsers: Chrome, Mozilla Firefox, Safari
- Servers: Web Server with HTTPS support
- Devices: Desktop, Laptop

**Test Schedule:**

Task	Start Date	End Date	Duration (Days)
Requirement Review	Day 1	Day 2	2
Test Scenario Generation	Day 3	Day 6	4
Test Case Documentation	Day 7	Day 13	7
Test Data Collection	Day 14	Day 16	3
Test Environment Setup	Day 17	Day 18	2
Sanity Testing	Day 19	Day 19	1
Functional Testing	Day 20	Day 35	16
Compatibility Testing	Day 36	Day 40	5
Regression Testing	Day 41	Day 43	3
Final Sanity Check	Day 44	Day 44	1
Test Report & Closure	Day 45	Day 45	1

**Roles & Responsibilities:**

Name	Role	Responsibility
Test Lead	Sabiul Islam	Planning, monitoring, reviewing, and guiding the testing process
Tester 1	Tester	Test case documentation, functional testing of Admin Interface
Tester 2	Tester	Test case documentation, functional testing of User Interface
Tester 3	Tester	Compatibility testing, defect tracking and reporting

**Risks & Mitigation:**

Risk	Mitigation
Environment setup delays	Plan environment setup early and test on multiple setups in parallel
Browser compatibility issues	Early testing on all browsers (Chrome, Mozilla, Safari) across both OS platforms.
Time constraint	Prioritize high-risk and critical features early in the testing cycle.
Lack of detailed requirements	Regular communication with stakeholders for clarifications.

**Exit Criteria:**

- All test cases executed.
- High-priority defects fixed.
- Successful regression tests.
- Test completion within the specified time limit.

**Suspension Criteria:**

- Show-stopper bugs encountered.
- Major changes in requirements.
- Environment unavailability for more than 24 hours.

**Test Deliverables:**

- Test Plan
- Test Scenarios Document
- Test Case Document
- Test Data
- Defect Report
- Test Summary Report