TEST PLAN

Project Name: Space Race Coders_079

HARLEY DAVIDSON

Table of Contents

Introduction

The aim of this document is to give an overview of the testing approach, strategies, and scope for the Harley-Davidson web application. This document includes details like scope of the project, objectives, test schedule and resource allocations, test deliverables and reports.

AUT: https://harley-davidson-six.vercel.app/

Objectives

➢ To ensure the functionalities of key features such as product search, add to cart, checkout, and account management.
➢ To confirm compatibility with different browsers.

Scope

This test plan covers only functional testing and compatibility testing of the Harley-Davidson web application across different browsers.

Testable features:

➢ Register
➢ Sign In
➢ Forgot password
➢ New user
➢ Purchase
➢ Video Recording
➢ Products → Bikes
                    → Jackets
                    → Helmets
                    → Gloves

➢ SCHEDULE A TEST RIDE
➢ Increase Decrease Button
➢ Cart
➢ Sort By

- Filter By Categories
- Contact Us
- About Us
- Motorcycle Services
- Offers
- Returns and Exchange
- Financing
- Insurance
- Other Products
- Add to cart
- Quantity
- Payment processing
- Account information
- Order information

Testing Approach:

- **Testing Types**

- Functional Testing
- Compatibility Testing
- Performance Testing
- Security Testing

- **Testing Methodologies**

- Black-box Testing
- White-box Testing
- RTM
- User Acceptance Testing (UAT)

- **Testing Environment**

- UAT
- Pre-Prod

- Windows 10
- Browsers: [Chrome and Firefox]
- Testing Tools: [Jira, zephyr, Burp Suit]

Roles/Responsibilities

Name	Role	Responsibilities
Divyaa	Test Engineer	✓ Manage budget and resources. ✓ Allocating additional support resource. ✓ Assess and prioritize project risks/tasks. ✓ Monitoring project progress. ✓ Resolve communication issues and conflicts effectively.
Divyaa	Test Engineer	✓ Develop test plans and strategies in alignment with project objectives and requirements. ✓ Assign tasks, set priorities, and provide and support to team members. ✓ Review test results and provide feedback to team members. ✓ Monitor and manage risks throughout the testing life cycle.
Divyaa	Test Engineer	✓ Understand customer requirements ✓ Write Test scenarios & Test cases ✓ Executing the Test cases. ✓ Performing root cause analysis to identify underlying issues. ✓ Defect tracking and reporting.
Divyaa	Test Engineer	✓ Understand customer requirements ✓ Configuring and Setting up test environment. ✓ Management of Automation tools. ✓ Executing Regression Test cases. ✓ File Closure activity.

Divyaa	Test Engineer	✓ Understand areas for regression testing feasibility. ✓ Responsible for writing automation scripts. ✓ Conducts Smoke, Functional, Integration, System. ✓ Collaboration with on shore subject matter experts.

Test Schedule

Following is the test schedule planned for the project:

Task	Time Duration
Test Plan creation	1 October 2024
Test Scenario creation Test Case Execution	2 October 2024 -3 October 2024
Test case Execution	4 October 2024
BUG Report	4 October
Summary Report Submission	5 October 2024

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Responsible Owner	Target Completion Date
Test Plan	Outlines the testing approach, strategies, and scope for the Harley-Davidson web application.	Masai	1 October 2024
Test Cases	Test Cases created for both functional testing and compatibility testing	Masai	3 October 2024
Defect Reports	Detailed description of the defects identified in different versions of application.	Masai	4 October 2024

masai

Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

Requirement Analysis

➢ **Entry Criteria:**
Once the testing team receives the Requirements documents and use documents of the project. Includes what functions needs to be tested and how the software should behave.

➢ **Exit Criteria:**
The testing team should thoroughly explore and understand each requirement listed in the documents. Any doubts or uncertainties regarding the requirements should be addressed and clarified to ensure that the testing team has a clear understanding of what needs to be tested and how it should behave.

Test Planning

➢ **Entry Criteria:**
Testable Requirements derived from the given Requirements documents. Test Plan document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

➢ **Exit Criteria:**
Test Plan is signed-off by the Client (Harley-Davidson)

Test Designing

➢ **Entry Criteria:**
The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed-off by the Client
➢ **Exit Criteria:**
Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed-off by the Client.

Test Execution

➢ **Entry Criteria:**

    Test Scenarios and Test Cases document needs to be reviewed and approved by the client and documents are signed-off by the Client. Application is ready for further Testing.

➢ **Exit Criteria:**

    Test Case Reports, Defect Reports are ready

Test Closure

➢ **Entry Criteria:**

    Test Case Reports, Defect Reports are ready

➢ **Exit Criteria:**

    Test Summary Reports, it overviews of the entire testing process

Tools

The following are the list of Tools we will be using in this Project:

- X mind map Tool
- Jira - Project management tool
- Zephyr- Test Management
- Burp Suite -Security Management tool