TEST PLAN FOR
bikroy.com

Create by Md Ahsan Habib

1 Introduction

Bikroy.com is an online marketplace that operates in Bangladesh. It allows users to buy and sell new and used goods, including vehicles, electronics, and property. The platform provides an easy-to-use interface for users to search for items, view product details, and make transactions. Bikroy.com is dedicated to providing a safe and reliable platform for users to buy and sell goods and helps connect buyers and sellers conveniently and efficiently.

Here I follow some test strategies (Functional Testing, Performance Testing, Security Testing, Usability Testing, Automated Testing, etc) to ensure the quality and reliability of the platform. And the processes I'm gonna use for bikroy.com include manual testing. The aim is to ensure the quality of the platform and catch any bugs or defects. The test workflow for bikroy.com may include continuous integration and continuous testing to ensure that the platform is always in a state of readiness for release. The test methodology for bikroy.com will be Waterfall. Hence the software has been developed. So, I'm gonna use this methodology here.

1.1   Scope

1.1.1 In Scope

The features of bikroy.com are Buy and Sell, User-Friendly Interface, Ad Listing, Secure Transactions, User Verification, Customer Support, and Mobile App etc. And functional(Search and Filtering, Product Listings, User Accounts, Order Management, Interoperability and many more) and non-functional(Performance, Usability, Accessibility etc) requirements of the software that will be tested

1.1.2 Out of Scope

Secure Payments, Database Testing, Security Testing, Data Integrity Testing, Scalability these are features of the software that will NOT be tested.

1.2 Quality Objective

Here we will try to ensure the Application Under Test conforms to functional and nonfunctional requirements and the AUT meets the quality specifications defined by the client with our testing

1.3   Roles and Responsibilities

Here are the detail description of the Roles and responsibilities of different team members like
- QA Analyst
- Test Manager
- Configuration Manager
- Developers
- Installation Team

Amongst others.[It's a demo plan of bikroy.com and it is assigned to me as my individual task. So, I skipped this part]

2 Test Methodology

2.1   Overview

As I mentioned, we will follow waterFall methodology for the project. However, for a complex web application like bikroy.com, which may require frequent changes and updates, the Waterfall methodology may not be the best fit. But in my case the software was completely developed. So, I'm gonna follow The WaterFall methodology.

2.2 Test Levels

Here are examples of type of testing that could be performed for bikroy.com:
 Unit Testing:Product listing page, the search function, User Accounts etc.
 Integration Testing: Review system and feedback system.
 Performance Testing: Load, stress spike testing etc.
 End-to-end Testing: by following blackbox testing.
 etc.

2.3 Bug Triage

Bug triage is the process of evaluating and prioritizing bugs that have been reported in the software application, in this case bikroy.com.
[It's a demo plan of bikroy.com and there is no bug found. So, I skipped this part]

2.4 Suspension Criteria and Resumption Requirements

Suspension Criteria:
Lack of resources, Technical issues, Quality issues etc.

Resumption Requirements:
Availability of resources, Resolution of technical issues, Resolution of quality issues etc.

2.5   Test Completeness

Here are the few criteria to check Test Completeness

- 100% test coverage
- All Manual & Automated Test cases executed
- All open bugs are fixed or will be fixed in next release

3 Test Schedules

Task	Start Date	End Date
Requirement analysis	1 Feb 2023	2 Feb 2023
Test Planning & Test case development.	3 Feb 2023	7 Feb 2023
Test Environment Setup	8 Feb 2023	9 Feb 2023
Test Execution	10 Feb 2023	15 Feb 2023
Test Reporting and Analysis	16 Feb 2023	17 Feb 2023
Test Closure	18 Feb 2023	19 Feb 2023

4 Test Deliverables

Here are the sample deliverables for bikroy.com

- Test Plan
- Test Cases
- Requirement Traceability Matrix
- Bug Reports
- Test Strategy
- Test Metrics
- Customer Sign Off

5 Resource & Environment Needs

5.1 Testing Tools

- Automation Tool: Selenium, TestNG.
- Jira.
- Performance Testing tool: JMeter.

Required to test the project

5.2 Test Environment

The following software is required for the testing tools.

- Windows 10 and above
- Stable Network.
- MS Exchange, etc.

6 Terms/Acronyms

Here are the terms or acronyms used in the project

TERM/ACRONYM	DEFINITION
API	Application Program Interface
AUT	Application Under Test