Group 3

Test Plan

Adactin website

Introduction

The Test Plan has been created to facilitate communication within the team members. This document describe approaches and methodologies that will apply to the system testing of the https://adactinhotelapp.com/.It includes the objectives, test responsibilities, entry and exit criteria, scope, schedule major milestones, entry and exit criteria and approach. This document has clearly identified what the test deliverables will be, and what is deemed in and out of scope.

Scope

The document mainly target the Functional testing.

Functions to be tested:
- Registration page
- Login page
- Search for hotel page
- Book hotel page

Objectives

- **Primary Objectives**

A primary objective of testing is to: assure that the system meets the full requirements, including quality requirements (functional and non-functional requirements) and fit metrics for each quality requirement and satisfies the use case scenarios and maintain the quality of the product. At the end of the project development cycle, the user should find that the project has met or exceeded all their expectations as detailed in the requirements.

- **Secondary Objectives**

The secondary objectives of testing will be to: identify and expose all issues and associated risks, communicate all known issues to the project team, and ensure that all issues are addressed in an appropriate matter before release. As an objective, this requires careful and methodical testing of the application to first ensure all areas of the system are scrutinized and, consequently, all issues (bugs) found are dealt with appropriately.

Test Approach

Manual and automation Testing will be performed

-Test if button and links are clickable and if the website loads or opens.
-Test if a user can register and login.
-Test if a user can be able to search a hotel without the location
-Test if a user can be able to search a hotel using a previous day date.
-Test if a user can be able to book using false information

Roles and Responsibilities

Role	Staff Member	Responsibilities
Project Manager	Lebogang	1. Acts as a primary contact for development and QA team. 2. Responsible for Project schedule and the overall success of the project.
QA lead	Mashudu	1. Participation in the project plan creation/update process. 2. Planning and organization of test process for the release. 3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing. 4. .Report progress on work assignments to the PM
QA team	Lungile Malose Peter Thato Patricia Thani	1. Writing and executing Test cases 2. Reviewing Test cases 3. Defect reporting and tracking 4. Preparation of Test data 5. Coordinate with QA lead for any issues encountered during test

Entry and Exit criteria

1. **Entry Criteria**

- All test hardware platforms must have been successfully installed, configured, and functioning properly.
- All the standard software tools including the testing tools must have been successfully installed and functioning properly.
- Proper test data is available.
- The test environment such as, lab, hardware, software, and system administration support should be ready.
- QA resources have completely understood the requirements
- QA resources have sound knowledge of functionality
- Reviewed test scenarios, test cases a

Entry and Exit criteria continuation…..

2. Exit criteria

- A certain level of requirements coverage has been achieved.

- No high priority or severe bugs are left outstanding.

- All high-risk areas have been fully tested, with only minor residual risks left outstanding.

- Cost – when the budget has been spent.

- The schedule has been achieved

Test Strategy

- Preparing Test Cases:

QA will be preparing test cases based on the exploratory testing. This will cover all scenarios for requirements.

Reviewing test cases and matrix:

- Peer review will be conducted for test cases by QA Lead

- Any comments or suggestions on test cases will be provided by reviewer respective Author of Test Case

- Suggestions or improvements will be re-worked by author and will be send for approval

- Re-worked improvements will be reviewed and approved by reviewer

Test Strategy continuation..

Creating Test Data:

- Test data will be created by respective QA on on spreadsheet document based on scenarios and Test cases.

Executing Test Cases:

- Test cases will be executed by respective QA on client's development/test site based on designed scenarios, test cases and Test data.

- Test result (Actual Result, Pass/Fail) will be updated in test case document

Defect Logging and Reporting:

- QA will be logging the defect/bugs in a document, found during execution of test cases. After this, QA will inform respective developer about the defect/bugs.

Test Strategy continuation…

Deployment/Delivery:

• Once all bugs/defect reported after complete testing is fixed and no other bugs are found, report will be deployed to client's test site by PM.

• Once round of testing will be done by QA on client's test site if required Report will be delivered along with sample output by email to respective lead and Report group.

• QA will be submitting the filled hard copy of delivery slip to respective developer.

• Once lead gets the hard copy of delivery slip filled by QA and developer, he will send the report delivery email to client.

Testing types

- System testing

System testing of software is testing conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements.

- Performance testing

✔ Check the optimal time the page is loaded

✔ Check the operation of the system under load

Resources and Environment needs

Testing tools

Process	Tool
Test case creation	Microsoft Excel
Test case execution	Selenium
Test reporting	Microsoft Excel

Resources and environments needs continuation...

-Browser

*Chrome

Operating System

-Windows