**Project Name:** ***Rent A Car***

**Objective:**

The first objective of this testing is to assure that the system meets the full requirements, including quality requirements and fit metrics for each quality requirement and satisfies the use case scenarios and maintain the quality of the product.

The second 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.

**Scope:**

In a test plan, the scope defines the boundaries of the testing effort

1. **Features:** The specific features or functionalities of the software that will be tested.
2. **Requirements:** The requirements or specifications that the software must meet, which will be validated through testing.
3. **Test Levels:** The levels of testing that will be conducted, such as unit testing, integration testing, system testing, and acceptance testing.
4. **Test Types:** The types of testing that will be performed, such as functional testing, performance testing, security testing, and usability testing.
5. **Inclusions:** Any additional items or aspects that will be included in the testing effort, such as specific platforms, configurations, or environments.
6. **Exclusions:** Any items or aspects that will not be tested as part of the project.

**Test Strategy:**

* Understanding Requirements:
  + Requirement specifications will be sent by client.
  + Understanding of requirements will be done by QA
* 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 and test matrix by QA Lead
  + Any comments or suggestions on test cases and test coverage 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 Plan
* Creating Test Data:
  + Test data will be created by respective QA on client's developments/test site 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 updated in test case document Defect Logging and Reporting
  + QA will be logging the defect/bugs in Word document, found during execution of test cases. After this, QA will inform respective developer about the defect/bugs.
* Retesting and Regression Testing:
  + Retesting for fixed bugs will be done by respective QA once it is resolved by respective developer and bug/defect status will be updated accordingly. Regression testing will be done if required.
* 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.

**Test Environment:**

Supporting Browser for Windows

* Edge, Chrome (latest), Firefox

**Test Deliverables:**

Test deliverables are the documents and artifacts that are produced as part of the testing process.

**Test Plan:** The document that outlines the approach, resources, schedule, and scope of the testing effort.

**Test Cases:** Detailed descriptions of the test scenarios, including inputs, actions, and expected results.

**Test Data:** Data sets used for testing purposes, including input data and expected output data.

**Test Reports:** Documents that summarize the results of the testing effort, including pass/fail status, defects found, and metrics.

**Defect Reports:** Documents that detail any defects found during testing, including their severity and steps to reproduce.

**Test Schedule:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task Name** | **Start** | **Finish** | **Effort** | **Comments** |
| Planning |  |  |  |  |
| Requirement Review |  |  |  |  |
| Test Cases |  |  |  |  |
| Deployment |  |  |  |  |
| Functional Testing |  |  |  |  |
| System Testing |  |  |  |  |
| Regression Testing |  |  |  |  |
| UAT |  |  |  |  |

**Entry and Exit Criteria:**

* The entry criteria refer to the desirable conditions in order to start test execution; only the migration of the code and fixes need to be assessed at the end of each cycle.
* The exit criteria are the desirable conditions that need to be met in order proceed with the implementation.
* Entry and exit criteria are flexible benchmarks. If they are not met, the test team will assess the risk, identify mitigation actions and provide a recommendation. All this is input to the project manager for a final “go-no go” decision.
* Entry criteria to start the execution phase of the test: the activities listed in the Test Planning section of the schedule are 100% completed.
* Entry criteria to start each cycle: the activities listed in the Test Execution section of the schedule are 100% completed at each cycle.

**Approval:**

|  |  |
| --- | --- |
| **Signature** |  |
| **Name** |  |
| **Role** |  |
| **Date** |  |