***Online marketplace for vehicle sales and purchases Test Plan***



TEST PLAN OUTLINE

(IEEE 829 FORMAT)

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ONLINE MARKETPLACE FOR VEHICLE SALES AND PURCHASES TEST PLAN

1. **TEST PLAN IDENTIFIER**
   * Online marketplace for vehicle sales and purchases Test Plan
   * Version 1.0
   * 22.12.2021
   * Author – Egor Deriugin

**2** **INTRODUCTION**

This document is the Test Plan for Web application – Online marketplace for vehicle sales and purchases. This project will have Acceptance tests.

**4** **TEST ITEMS (FUNCTIONS)**

The following is a list, by version and release of the items to be tested:

1. LoginPage, Version **1.0**
2. HomePage, Version **1.0**
3. SearchResults, Version **1.0**
4. UserProfile, Version **1.0**
5. PublishAdvert, Version **1.0**

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**5** **SOFTWARE RISK ISSUES**

Critical areas are:

1. AWS servers crashed.
2. New versions of libraries.

**6** **FEATURES TO BE TESTED**

The following is a list of the areas to be focused on during testing of the web-application.

* User Authorization
* Home Page with Vehicle Recommendations
* Displaying Search Results
* View User Profile
* Publishing an Advertisement about sailing car

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**8** **APPROACH (STRATEGY)**

The testing for the Online marketplace for vehicle sales and purchases project will consist of two phases - system/integration testing and acceptance testing. It is estimated that there will be staff available for testing and 5 days for system/integration testing, one month for acceptance testing. It is also assumed that testing will be done by a lead tester, a team of testers with input from the development team.

SYSTEM/INTEGRATION testing will be carried out by a team from the testing lead, the development lead with the development team and the testing team, without the use of additional software tools for testing.

Important note: testing should be done without any critical bugs in the software code that could affect the testing process.

ACCEPTANCE testing will be carried out by the end-users of the product on an equal footing with the test team lead, the development team lead and the development team itself. Testing will last for one month and will start after system/integration testing. The requirement of no critical bugs remains relevant for this type of testing.

The initial acceptance test will be carried out by a limited number of people. Once the acceptance test has been completed, people will be added, provided they are able to generate the necessary data. The next step will be to implement two types of testing simultaneously - testing of the current production and parallel testing.

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**9** **ITEM PASS/FAIL CRITERIA**

The end of the testing process will come when the initial set of testers have sent in their test data for one month, the new data must be equivalent to the old data. The sales managers will verify the data received and if the data is found to be correct, the initial set of testers will be switched to the active state and all parallel operations will be ceased.

At this point, the parallel testing process begins, in case it has not already been started. The data comparison test only passes the data that was sent by the initial set of testers, after which the application is considered activated.

**10 TEST DELIVERABLES**

Acceptance test plan

System/Integration test plan

Defect/Incident reports and summaries

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**11 REMAINING TEST TASKS**

|  |  |  |
| --- | --- | --- |
| TASK | Assigned To | Status |
| Create Acceptance Test Plan | QA Lead, Project Manager, Client |  |
| Create System/Integration Test Plan | QA Lead, Project Manager, Developers |  |
| Verify prototypes of Screens | QA Lead, Developers, Client |  |
| Verify prototypes of Reports | QA Lead, Developers, Client |  |

**12 ENVIRONMENTAL NEEDS**

Testers should have a variety of browsers, such as Google Chrome, Mozilla Firefox, Opera, Safari, Microsoft Edge.

**13 RESPONSIBILITIES**

Who is in charge?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **TM** | **PM** | **Dev Team** | **Test Team** | **Client** |
| **Acceptance test Documentation & Execution** | x | x |  | x | x |
| **System/Intefration test Documentation & Execution** | x |  | x | x |  |
| **Sustem Design Reviews** | x | x | x | x | x |
| **Test proceduers and rules** | x | x | x | x |  |
| **Screen & Report prototype reviews** | x | x | x | x |  |
| **Change Control and regression testing** | x | x | x | x | x |

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**14 SCHEDULE**

In the project timeline, the time for testing is accounted for, including data on the duration of testing, the start date of testing and the end date. The staff members who will carry out the testing are also assigned and will be coordinated by the project manager.

**15 PLANNING RISKS AND CONTINGENCIES**

All major risks and contraindications can be viewed in an additional special anti-crisis action document.

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