**1. Test Plan Identifier**

**File Name:** 1.0\_EaseMyTrip.doc

**Location: Chennai, Cognizant**

**2. Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| **REV** | **Author** | **Edits** | **Date** |
| 1.0 |  | Initial Draft | 16-01-2020 |
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|  |  |  |  |

**3. Introduction**

EaseMyTrip is an Indian online travel company founded in May 2008 by Nishant Pitti and Rikant Pitti. Headquartered in New Delhi, the company provides hotel bookings, air tickets, holiday packages, bus bookings, and white-label services. By reading this guide, you will learn how to use EaseMyTrip through the elements of the graphical user interface and what's behind some of the advanced features that are not always obvious at first sight. It will hopefully guide you around some common problems that frequently appear for users of EaseMyTrip.

This test plan will outline the features to be tested as part of Travellers details in the 1.0 release of EaseMyTrip.

4. **Features to be Tested**

Medium priority features are features that have been stable and High Priority features are features that have been recently changed.

|  |  |  |
| --- | --- | --- |
| **Feature To be Tested** | **Priority** | **Comments** |
| Registration | High |  |
| Login Functionality | High |  |
| Tickets Booking | High |  |
| Hotels and Holiday Booking | High |  |
| Bank Payment | High |  |
| Payment cancellation | High |  |
| Fare details |  |  |
| Receipt |  |  |
| Logout Functionality |  |  |

1. **Features NOT to be Tested**

Help Contents will not be tested.

Installation and presentation will not be tested.

Support of the other architectures also will not be tested.

1. **Test Strategy**

The test strategy for EaseMyTrip1.0 will include both manual testing with automated testing. Automated testing will be used to test the basic Interface objects, keyboard and mouse navigation or any redundant tasks best translated to automation. Automated testing will be limited to a Windows 7- 64 bit platform because of Automation tool limitations.

* Sanity test will include very short functional tests to ensure the EaseMyTrip1.0 runs/launches and can connect to the back end database. Test execution will happen as individual component testing. These tests will be fully automated.
* Acceptance tests will include short functional tests that will only touch major features to ensure EaseMyTrip1.0 will operate smoothly at a basic level. These tests will be executed on Windows 7, Windows 10. The goal will be to automate all of these tests.
* Full Functional tests will include a comprehensive test of all features listed in this document. These tests will be limited to the Windows 7 or Windows 10. These test will include automation with time allowing.

**Functionality Testing**

**Registration**

Verify New Registration

Verify Modification of the existing record

Verify Deletion of the existing record.

Verify Searching of existing of records.

Verify Refresh of the Data Fields.

Verify Closing of the registration window.

**Login Functionality**

Verify login credentials of existing records.

Verify Searching of existing of records.

Verify Refresh of the Data Fields.

Verify username is matched with associated password.

**Tickets Booking**

Verify arrival and departure locations

Verify Timings of boarding location

Verify Date of Journey

Verify Date of return journey

Verify number of passengers

**Bank Payment**

Verify card number, name on the card and CVV, if it is Debit card.

Verify username and password, if it is Net Banking and other modes

**Payment cancellation**

Verify details of cancellation tickets

Verify successful receipt of cancellation

**Fare details**

Verify ticket cost is added based on the passengers/ travellers

**Receipt**

Verify successful payment receipt

Verify unsuccessful payment receipt

Verify cancellation payment receipt

**Logout Functionality**

Verify successful signed out

**Usability Testing**

The usability testing will be accomplished by verifying the information in each window are accurate. Menus, icons and toolbar functionality will be tested as applicable to the navigation and results panes. Multi Window Overlapping will be tested because product supports opening of multiple documents.

* Font Colour
* Font size
* Images
* Logo
* Font Alignments
* Grammatical Mistakes
* Checking whether the username and password is correct or not

**Robustness/Reliability Testing**

Test the GUI for correct keyboard and mouse navigation, windows, menus, buttons, etc. These tests will include Keyboard only navigation of VASOP1.0, Mouse only navigation. Correctness and existence of warning/error dialog boxes. The correct/expected functionality of buttons, icons and menus.

**Stress Testing**

Not applicable

**7. Test Deliverables**

Business requirement specifications

Functional requirement specifications

Software requirement specifications

Test Scenario

Test plan 1.0\_EaseMyTrip\_tplan.doc

Test Specification 1.0\_EaseMyTrip\_tspec.doc

Test Automation Plan Selenium

Test Logs TBD

Test tools Selenium, Jira

**8. Testing Tasks & Resource Needs**

My SQL server

Write Test Specification.

Write Test Automation plan.

Write Test Checklist.

Setup workspace.

Develop Automation script.

Minimum requirements for platforms:

Intel Processor: Pentium(R) Dual-Core CPU E5400 @ 2.70GHz 2.69GHz

Installed Memory (RAM): 4.00 GB

System Type: 64-bit Operating System

Pen and Touch: No pen or Touch is available for the Display

**9.Schedule**

Test Documentation

| Document | Development Time | | Sign-off Date | Dependencies |
| --- | --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |  |
| Test Plan | 2 days |  |  | Functional Spec. Review |
| Test Specifications | 3 days |  |  | Test plan, Functional Spec, Review |
| Test Logs | TBD |  |  |  |
| Test Summary Report | TBD |  |  |  |
| Checklist | TBD |  |  |  |

Test Development

| Deliverable | Development Time | | Dependencies |
| --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |
| Functional Test Suite | 8 | 22/1/2020 |  |
| Automation build | 15 |  |  |
|  |  |  |  |

Test Execution

| Test Activity | | Execution Time (Person-Days) | | | Dependencies |
| --- | --- | --- | --- | --- | --- |
|  | | Alpha | Beta | FCS |  |
| Acceptance | | 2 Days | 3 Days | 4 Days |  |
| Functional | Functionality | 5 | 4 |  |  |
|  | Usability | All High to Medium testcaces |  |  |
|  | Robustness |  |
|  | Stress |  |
|  | Multi Inst. |  |
| Regression | |  |  |  |  |
| Documentation Review | | 2 | 2 | 2 |  |
| Total Test Cycle | | 8 | 8 | 6 |  |

**10. Issues/Risks and Contingencies**

| RISK | CONTINGENCY | COMMENTS |
| --- | --- | --- |
| Any Automation will need to be created in parallel of testing. | Manual testing | Goal is to add Automation where possible.  Initial setup might be able to be worked on in an earlier stage if time permitting. |
| VB Accessibility Utilities and specs to verify compliance to Accessibility are not available. | Simplistic tests? | Accessibility guidelines are not specified in spec. |
|  |  |  |
|  |  |  |

**11.Approvals**

| POSITION  \* Approval Required | NAME | SIGNATURE | REVIEWED | APPROVED |
| --- | --- | --- | --- | --- |
| Tech Lead |  |  | Raghavendra BN |  |
| STAFF ENG, SW |  |  |  |  |
| Project Manager |  |  |  |  |
| Clint Approval | Cognizant |  |  |  |

12. **References**

EaseMyTrip1.0 User Interface Specification

EaseMyTrip1.0 Functional Specification

EaseMyTrip1.0 Design Specification