**AUTOMATIONFEASIBILITYREPORT**

**BOOK ONE-WAY OUTSTATION CAB & DISPLAY THE LOWEST CHARGES**

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|  | Prepared By | Reviewed By | Approved By |
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| Role | Interns | Batch Trainer |  |

**AUTOMATION FEASIBILITY:**

The first step in this process needs to be the feasibility analysis. Automation Feasibility analysis in automation testing refers to a checklist on the basis of which we can decide whether we should proceed with the automation of the test cases or not.

**Automation Feasibility Checklist (AFC):**Automation Feasibility Checklist is used to identify whether the manual test case is feasible for automation or not. The following are the criteria to determine the automation feasibility of the test cases:

**Essential Criteria:**

* Dependencies/Pre-requisites
* Detailed Test steps
* Test Data availability
* Expected results
* Traceability

**Optional Criteria:**

* Subject Matter Expert’s (SME) support
* Duplication of test steps
* Availability of multiple sets of data and Snapshot of AFC

**Benefits of Automation Feasibility Checklist:**

* Reduces the Manual execution effort.
* Improves Automation efficiency.
* Helps to derive effective Manual test cases.
* Control and avoid risks in Automation.

**AUTOMATION FEASIBILIY CHECKLIST MODEL:**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **READINESS CHECK** | **(YES/NO)** |
| 1 | Product Stable? | YES |
| 2 | Any Planned enhancement in near future? | NO |
| 3 | Won't any bug fixes impact major functionalities? | YES |
| 4 | Are the test condition and precondition detailed? | YES |
| 5 | Test case and test data analysis done? | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Accessing the web URL (https://www.makemytrip.com/) | 1 | YES | YES |
| 2 | Clicking On “Cabs” Button in makemytrip website | 1 | YES | YES |
| 3 | Clicking on “Outstation One-Way” Radio button | 1 | YES | YES |
| 4 | Entering City Name “From” Textbox | 1 | YES | YES |
| 5 | Entering City Name “To” Textbox | 1 | YES | YES |
| 6 | Clicking on “Departure” Button and Select the Date. | 1 | YES | YES |
| 7 | Clicking on “Pick Up” Button and Select the Time. | 1 | YES | YES |
| 8 | Clicking on “Search” Button | 1 | YES | YES |
| 9 | Select sort by "Price (Lowest to Highest)" | 1 | YES | YES |
| 10 | Select the “SUV” Car type | 1 | YES | YES |
| 11 | Display All the Information | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 2:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Accessing the web URL (https://www.makemytrip.com/) | 1 | YES | YES |
| 2 | Clicking on “Gift Card” Button. | 1 | YES | YES |
| 3 | Displaying All Gift Card type. | 1 | YES | YES |
| 4 | Select “Corporate” Category Gift Card | 1 | YES | YES |
| 5 | Entering the” Name” In the Name Text Field | 1 | YES | YES |
| 6 | Entering the “Mobile Number” | 1 | YES | YES |
| 7 | Entering “Invalid Email Id” in text Field | 1 | YES | YES |
| 8 | Click on Buy Gift Card. | 1 | YES | YES |
| 9 | Display the Error message for Invalid Mobile Number | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 3:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Accessing the web URL (https://www.makemytrip.com/) | 1 | YES | YES |
| 2 | Clicking of "Hotels" icon | 1 | YES | YES |
| 3 | Enter and Search “City/Hotel/Area/Building” in Text field. | 1 | YES | YES |
| 4 | Clicking the "Check-In" Button and select the Date. | 1 | YES | YES |
| 5 | Clicking the "Check-Out" Button and select the Date. | 1 | YES | YES |
| 6 | Clicking the "Rooms & Guest" button | 1 | YES | YES |
| 7 | Select the “Rooms and Guest” | 1 | YES | YES |
| 8 | Click on “Filter” Button | 1 | YES | YES |
| 9 | Click on “Search” Button | 1 | YES | YES |

**AUTOMATION VS MANUAL TESTING:**

|  |  |  |
| --- | --- | --- |
| **TEST PREFERENCES** | **TO AUTOMATE** | **NOT TO AUTOMATE** |
| Are the requirements stable? | YES | YES |
| Does detailed test cases with predictable results available? | YES | YES |
| Tedious and repetitive | YES | YES |
| Non-Repetitive or Ad-hoc tasks | NO | NO |
| High Regression rate and changing | YES | YES |
| Low Regression rate and constant | NO | NO |