**AUTOMATIONFEASIBILITYREPORT**

**BOOK ONE WAY OUTSTATION CAB AND DISPLAY THE LOWEST CHARGES**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Prepared By | Reviewed By | Approved By |
| Name | Tecnotuners |  |  |
| Role | Programmer Analyst Trainees |  |  |

**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 basis of which we can decide that 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

**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? | No |
| 2 | Any Planned enhancement in near future? | No |
| 3 | Won't any bug fixes impact major functionalities? | No |
| 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 | Select “Cabs” from the menu bar | 1 | YES | | YES |
| 3 | Enter “Delhi” in “FROM” search tab | 1 | YES | | YES |
| 4 | Enter “Manali, Himachal Pradesh” in “To” search tab | 1 | YES | | YES |
| 5 | Select “21st Jun 21” from “DEPARTURE” calendar field | 1 | YES | | YES |
| 6 | Select “6.30 AM” from “PICKUP-TIME” list box | 1 | YES | | YES |
| 7 | Clicking on “SEARCH” icon | 1 | YES | YES | |
| 8 | Clicking on “SUV” from “Cab Type” filter | 1 | YES | YES | |
| 9 | Choose” Price (Lowest to Highest)” from “Sorted By” list box | 1 | YES | YES | |
| 10 | Back to parent window | 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 | Select “More” drop-down menu | 1 | | YES | | YES |
| 2 | Choose “Giftcards” link | 1 | | YES | | YES |
|  |  |  | |  | |  |
| 3 | Select “Buy E-Gift Card” Button | 1 | YES | | YES | |
| 4 | Filling all the mandatory fields “Enter Gift Cards Details” class | 1 | YES | | YES | |
| 5 | Click “PAY NOW” Button | 1 | YES | | YES | |
| 6 | Back to parent window | 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 | Select “Hotels” from the menu bar | 1 | YES | YES |
| 2 | Select “ROOMS & GUESTs” drop-down menu | 1 | YES | YES |
| 3 | Print all the option from “ADULTS” section from “Rooms1” class | 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 |