**AUTOMATIONFEASIBILITYREPORT**

EASE MY TRIP PROJECT

|  |  |  |  |
| --- | --- | --- | --- |
|  | Prepared By | Reviewed By | Approved By |
| Name | Assert Ninjas | Devathilagai |  |
| Role | GenC Interns | Batch Trainer |  |

**AUTOMATION FEASIBILITY**

The first step in this process needs to be feasibility analysis.

Automation Feasibility analysis in automation testing refers to a checklist on 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.easemytrip.com/) | 1 | YES | YES |
| 2 | Selecting “Cab” section | 1 | YES | YES |
| 3 | Selecting “Outstation” tab | 1 | YES | YES |
| 4 | Choosing “One-Way” option | 1 | YES | YES |
| 5 | Entering source as “Delhi” | 1 | YES | YES |
| 6 | Entering destination as “Manali, Himachal Pradesh” | 1 | YES | YES |
| 7 | Selecting date | 1 | YES | YES |
| 8 | Selecting time | 1 | YES | YES |
| 9 | Clicking on “Search” | 1 | YES | YES |
| 10 | Selecting car type: SUV | 1 | YES | YES |
| 11 | Displaying available options | 1 | YES | YES |
| 11 | Sorting and displaying lowest fare | 1 | YES | YES |
| 12 | Navigate back to home page | 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.easemytrip.com/) | 1 | YES | YES |
| 2 | Selecting “Cab” section | 1 | YES | YES |
| 3 | Selecting “Outstation” tab | 1 | YES | YES |
| 4 | Choosing “Round Trip” option | 1 | YES | YES |
| 5 | Entering source as “Delhi” | 1 | YES | YES |
| 6 | Entering destination as “Manali, Himachal Pradesh” | 1 | YES | YES |
| 7 | Selecting date | 1 | YES | YES |
| 8 | Selecting time | 1 | YES | YES |
| 9 | Clicking on “Search” | 1 | YES | YES |
| 10 | Selecting car type: SUV | 1 | YES | YES |
| 11 | Displaying available options | 1 | YES | YES |
| 11 | Sorting and displaying lowest fare | 1 | YES | YES |
| 12 | Navigate back to home page | 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.easemytrip.com/) | 1 | YES | YES |
| 2 | Selecting “Cab” section | 1 | YES | YES |
| 3 | Selecting “Airport” tab | 1 | YES | YES |
| 4 | Choosing “Airport Pick Up” option | 1 | YES | YES |
| 5 | Entering source as “Coimbatore International Airport” | 1 | YES | YES |
| 6 | Entering destination as “Munnar” | 1 | YES | YES |
| 7 | Selecting date | 1 | YES | YES |
| 8 | Selecting time | 1 | YES | YES |
| 9 | Clicking on “Search” | 1 | YES | YES |
| 10 | Selecting car type: SUV | 1 | YES | YES |
| 11 | Displaying available options | 1 | YES | YES |
| 11 | Sorting and displaying lowest fare | 1 | YES | YES |
| 12 | Navigate back to home page | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 4:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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.easemytrip.com/) | 1 | YES | YES |
| 2 | Selecting “Cab” section | 1 | YES | YES |
| 3 | Selecting “Airport” tab | 1 | YES | YES |
| 4 | Choosing “Airport Drop” option | 1 | YES | YES |
| 5 | Entering source as “Munnar” | 1 | YES | YES |
| 6 | Entering destination as “Coimbatore International Airport” | 1 | YES | YES |
| 7 | Selecting date | 1 | YES | YES |
| 8 | Selecting time | 1 | YES | YES |
| 9 | Clicking on “Search” | 1 | YES | YES |
| 10 | Selecting car type: SUV | 1 | YES | YES |
| 11 | Displaying available options | 1 | YES | YES |
| 12 | Sorting and displaying lowest fare | 1 | YES | YES |
| 13 | Navigate back to home page | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 5:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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.easemytrip.com/) | 1 | YES | YES |
| 2 | Selecting “Cab” section | 1 | YES | YES |
| 3 | Selecting “Hourly” tab | 1 | YES | YES |
| 4 | Entering source as “Munnar” | 1 | YES | YES |
| 5 | Selecting date | 1 | YES | YES |
| 6 | Selecting Hours of rental | 1 | YES | YES |
| 7 | Clicking on “Search” | 1 | YES | YES |
| 8 | Selecting car type: SUV | 1 | YES | YES |
| 9 | Displaying available options | 1 | YES | YES |
| 10 | Sorting and displaying lowest fare | 1 | YES | YES |
| 11 | Navigate back to home page | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 6:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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.easemytrip.com/) | 1 | YES | YES |
| 2 | Selecting “Hotels” section | 1 | YES | YES |
| 3 | Entering city as “Dwarka, Delhi” | 1 | YES | YES |
| 4 | Entering check-in date | 1 | YES | YES |
| 5 | Entering check-out date | 1 | YES | YES |
| 6 | Selecting no of rooms and guests | 1 | YES | YES |
| 7 | Clicking on “Search” | 1 | YES | YES |
| 8 | Displaying available options | 1 | YES | YES |
| 9 | Sorting and displaying from lowest to highest price | 1 | YES | YES |
| 10 | Navigate back to home page | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 7:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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.easemytrip.com/) | 1 | YES | YES |
| 2 | Selecting “Gift Cards” section | 1 | YES | YES |
| 3 | Selecting “Group Gifting” | 1 | YES | YES |
| 4 | Filling card details | 1 | YES | YES |
| 5 | Entering invalid email | 1 | YES | YES |
| 6 | Capturing and displaying error message | 1 | YES | YES |
| 7 | Navigate back to home page | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 8:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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.easemytrip.com/) | 1 | YES | YES |
| 2 | Selecting “Activities” section | 1 | YES | YES |
| 3 | Entering location or activity | 1 | YES | YES |
| 4 | Entering preferred date | 1 | YES | YES |
| 5 | Searching for activities in a city | 1 | YES | YES |
| 6 | Sorting and displaying from lowest to highest price | 1 | YES | YES |
| 7 | Listing available activities | 1 | YES | YES |
| 8 | Navigate back to home page | 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 |