**AUTOMATIONFEASIBILITYREPORT**

IDENTIFY CAR WASH SERVICES PROJECT

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|  | Prepared By | Reviewed By | Approved By |
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**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

**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://doorstepwash.com) | 1 | YES | YES |
| 2 | Clicking on select service type dropdown | 1 | YES | YES |
| 3 | Selecting “Car” from the  dropdown | 1 | YES | YES |
| 4 | Clicking on select subcategory | 1 | YES | YES |
| 5 | Selecting subcategory as “SUV” | 1 | YES | YES |
| 6 | Clicking on “Go For It”  button | 1 | YES | YES |
| 7 | Navigating to car service details page | 1 | YES | YES |
| 8 | Capturing all the service names | 1 | YES | YES |
| 9 | Capturing all the amount | 1 | YES | YES |
| 10 | Displaying service names and amount | 1 | YES | YES |
| 11 | 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 | Clicking on “Register” button | 1 | YES | YES |
| 2 | Filling registration form with valid details and one Invalid Email | 1 | YES | YES |
| 3 | Clicking on “Sign Up” button | 1 | YES | YES |
| 4 | Capturing error message | 1 | YES | YES |
| 5 | Displaying error message | 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 | Navigating back to home page | 1 | YES | YES |
| 2 | Clicking on “Our Centre”  option | 1 | YES | YES |
| 3 | Selecting State1 and City1 from  select your state and city dropdowns | 1 | YES | YES |
| 4 | Displaying address results | 1 | YES | YES |
| 5 | Selecting State2 and City2 from select Your state and city dropdowns | 1 | YES | YES |
| 6 | Displaying address result | 1 | YES | YES |
| 7 | Selecting State3 And City3 from select your state and city dropdown | 1 | YES | YES |
| 8 | Displaying address result | 1 | YES | YES |
| 9 | Proper closing of the browser | 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 |