**AUTOMATIONFEASIBILITYREPORT**

FIND TRAVEL INSURANCE PLAN FOR STUDENTS 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://www.policybazaar.com/) | 1 | YES | YES |
| 2 | Clicking Travel Insurance | 1 | YES | YES |
| 3 | Select Destination country | 1 | YES | YES |
| 4 | Clicking on Next Button | 1 | YES | YES |
| 5 | Select Start date and End date | 1 | YES | YES |
| 6 | Clicking on Next Button | 1 | YES | YES |
| 7 | Select the number of travellers | 1 | YES | YES |
| 8 | Select Age of Traveller1 | 1 | YES | YES |
| 9 | Select Age of Traveller2 | 1 | YES | YES |
| 10 | Clicking on next button | 1 | YES | YES |
| 11 | Select Yes radio button | 1 | YES | YES |
| 12 | Select checkboxes of Traveller1 and/or Traveller2 | 1 | YES | YES |
| 13 | Clicking on medical History Next Button | 1 | YES | YES |
| 14 | Enter mobile number | 1 | YES | YES |
| 15 | Click on Next Button | 1 | YES | YES |
| 16 | Click on View Plans | 1 | YES | YES |
| 17 | Select Student plans radio button | 1 | YES | YES |
| 18 | Select TravellerOneCheckbox and TravellerTwoCheckBox | 1 | YES | YES |
| 19 | Select Travel Duration | 1 | YES | YES |
| 20 | Click on Apply Button | 1 | YES | YES |
| 21 | Select Premium low to high radio button | 1 | YES | YES |
| 22 | Retrieve InsuranceCompany name and InsuranceAmount | 1 | YES | YES |
| 23 | Navigate back to homepage | 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 Insurance Products on Home page | 1 | YES | YES |
| 2 | Clicking Car Insurance | 1 | YES | YES |
| 3 | Click on Click Here | 1 | YES | YES |
| 4 | Select City and RTO | 1 | YES | YES |
| 5 | Select Car Brand | 1 | YES | YES |
| 6 | Select Car Model | 1 | YES | YES |
| 7 | Select Car Fuel Type | 1 | YES | YES |
| 8 | Select Car Variant | 1 | YES | YES |
| 9 | Provide Full Name, Email and Mobile Number | 1 | YES | YES |
| 10 | Clicking on View Prices | 1 | YES | YES |
| 11 | Print the error message for invalid email | 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 | Clicking Insurance Products on Home page | 1 | YES | YES |
| 2 | Retrieve all health insurance plans | 1 | YES | YES |
| 3 | 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 |