**AUTOMATION FEASIBILITY REPORT FOR “DISPLAY BOOKSHELVES”**

Submitted to:

Cognizant Technology Solutions (CTS)

***Submitted by***

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For more information, please visit on website:

[**https://**](https://urbanladder.com/)**www.pepperfry.com**

**Automation Feasibility:**

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

**Automation Feasibility Checklist (AFC)**

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

**Essential Criteria:**

* Pre-requisites/Dependencies
* Detailed Test Cases
* Test Data Validity
* Expected Results
* Traceability

**Optional Criteria:**

* Subject Matter Expert (SME) support
* Duplication of test cases
* Availability of multiple sets of data and snapshot of AFC.

**Benefits of Automation Feasibility Checklist:**

Improves Automation Efficiency

Reduces the Manual execution effort

Control and avoid risks in Automation

Helps to derive effective manual test cases.

**AUTOMATION FEASIBILITY CHECKLIST MODEL:**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Readiness Check** | **(YES/NO)** |
| 1 | Product Stable | NO |
| 2 | Any planned enhancement in future? | YES |
| 3 | Won’t any bug fixes impact major functionalities? | NO |
| 4 | Are the test conditions and precondition detailed? | YES |
| 5 | Test cases and test data analysis done? | YES |

**AUTOMATION FEASIBILITY FOR REQUIREMENT 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONMENT AVALIABLE FOR AUTOMATION (YES/NO)** | **POSSIBLITY FOR AUTOMATION (YES/NO)** |
| 1 | Accessing the URL  (https://www.pepperfry.com) | 1 | YES | YES |
| 2 | Search for bookshelves and click on the search button | 1 | YES | YES |
| 3 | Set the price slider to below 15,000 | 1 | YES | YES |
| 7 | Display the first 3 bookshelves | 1 | YES | YES |

**AUTOMATION FEASIBILITY FOR REQUIREMENT 2:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONMENT AVALIABLE FOR AUTOMATION (YES/NO)** | **POSSIBLITY FOR AUTOMATION (YES/NO)** |
| 1 | Accessing the URL  (https://www.pepperfry.com) | 1 | YES | YES |
| 2 | Hover the mouse pointer over Luxury tab | 1 | YES | YES |
| 3 | Retrieve sub-items under the Luxury tab. | 1 | YES | YES |

**AUTOMATION FEASIBILITY FOR REQUIREMENT 3:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONMENT AVALIABLE FOR AUTOMATION (YES/NO)** | **POSSIBLITY FOR AUTOMATION (YES/NO)** |
| 1 | Click on the “Gift” button | 1 | YES | YES |
| 2 | Choose “Birthdays/Anniversary” as occasion. | 1 | YES | YES |
| 3 | Filling the valid details except email field | 4 | YES | YES |
| 4 | Fill the denomination | 1 | YES | YES |
| 5 | Fill the invalid detail for email field and check if the error message is displayed | 1 | YES | YES |

**AUTOMATION FEASIBILITY FOR REQUIREMENT 4:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONMENT AVALIABLE FOR AUTOMATION (YES/NO)** | **POSSIBLITY FOR AUTOMATION (YES/NO)** |
| 1 | Click on the “Study Chairs” button | 1 | YES | YES |
| 2 | Display first 3 study chairs with highest Customer Ratings. | 1 | YES | YES |

**AUTOMATION VS MANUAL TESTING:**

|  |  |  |
| --- | --- | --- |
| **TEST PREFERENCE** | **TO AUTOMATE** | **NOT TO AUTOMATE** |
| Are the requirements stable? | YES | YES |
| Does detailed test cases with predictable results available? | YES | YES |
| Tedious and repetitive | NO | NO |
| High regression rate and changing | YES | YES |
| Low regression rate and constant | NO | NO |