emicalculator.net

FIND THE INTEREST AMOUNT FOR CURRENT YEAR

AUTOMATION FEASIBILITY  
REPORT

|  |  |  |  |
| --- | --- | --- | --- |
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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 FEASIBILITY 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 FEASIBILITY 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.emicalculator.net/) | 1 | YES | YES |
| 2 | Clicking on “Car Loan” tab | 1 | YES | YES |
| 3 | Entering “Car Loan Amount” as 15,00,000 or setting the slider to 15L | 1 | YES | YES |
| 4 | Entering “Interest Rate” as 9.5 or setting the slider to 9.5 | 1 | YES | YES |
| 5 | Entering “Loan Tenure” as 1 or setting the slider to 1 | 1 | YES | YES |

# AUTOMATION FEASIBILITY 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 | Selecting “Home Loan EMI Calculator” from the top menu | 1 | YES | YES |
| 2 | Providing valid input data to all the fields | 1 | YES | YES |
| 3 | Scrolling down to the year on year table | 1 | YES | YES |

# AUTOMATION FEASIBILITY 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 on “Calculators” from the top menu | 1 | YES | YES |
| 2 | Clicking on “Loan Calculator” from the dropdown | 1 | YES | YES |
| 3 | Selecting “EMI Calculator” tab | 1 | YES | YES |
| 4 | Providing valid inputs for all text boxes | 1 | YES | YES |
| 5 | Changing the “Loan Tenure” value for year & month, to check the change in scales/slider. | 1 | YES | YES |

# AUTOMATION FEASIBILITY 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 | Clicking on “Calculators” from the top menu. | 1 | YES | YES |
| 2 | Clicking on “Loan Calculator” from the dropdown | 1 | YES | YES |
| 3 | Selecting “Loan Amount Calculator” tab. | 1 | YES | YES |
| 4 | Providing valid inputs for all text boxes. | 1 | YES | YES |
| 5 | Changing the “Loan Tenure” value for year & month, to check the change in scales/slider. | 1 | YES | YES |

# AUTOMATION FEASIBILITY 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 | Clicking on “Calculators” from the top menu. | 1 | YES | YES |
| 2 | Clicking on “Loan Calculator” from the dropdown. | 1 | YES | YES |
| 3 | Selecting “Loan Tenure Calculator” tab. | 1 | YES | YES |
| 4 | Providing valid inputs for all text boxes. | 1 | YES | YES |
| 5 | Changing the “Interest Rate” value, to check the change in scales/slider. | 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 |