**Find the Interest Amount for current year**

**EMI Calculator**

Software Requirements Specification (SRS)

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| --- | --- | --- | --- |
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| **Role** | Interns | Batch Trainer |  |

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**INTRODUCTION**

EMICalcuator.net is a popular Indian-based online financial tool that helps users to quickly calculate Equated Monthly Installments (EMIs) for a wide range of loans, such as home loans, car loans, personal loans, education loans, and many more.

We are testing below mentioned functionality of that website:

1. Find the EMI for Car with Price 15 lacs, interest 9.5% and tenure 1 year and then display the Interest Amount and principal Amount.
2. From the menu, pick Home Loan EMI Calculator, fill relevant details, then extract year on year table and store it in Excel.
3. From the menu, pick Loan Calculator and under EMI calculator, do all UI check for text box & scales; change the Loan tenure for year & month, check the change in scale, Re-use the same validation for Loan Amount Calculator & Loan Tenure Calculator
   1. **Intended Audience**

* Business Unit (BU) SME
* Academy coach
* Technical Trainer
  1. **Project Scope**

This document defines at a functional level the business activities that are encompassed by the system and the rules that apply to them. It also encompasses some of the key high- and low-level technical requirements of the system.

It draws heavily on both proposed Framework and Business Rules and the Technical Architecture documents. The scope of the detailed analysis project phase specifies that this document will include.

* Classification of requirements according to their functional areas.
* A description of each process in the system, including their inputs, outputs, and data transformation rules.

**OVERALL DESCRIPTION**

**2.1 Operating Environment**

The EMI Calculator application is a web-based platform. Testing is performed on a modern browser (Chrome, Edge) on a windows operating system. The website is publicly accessible and does not require any login to use the EMI calculators. The test data and validations are done using manual inputs and excel for result storage.

**REQUIREMENTS**

**3.1 Login**

**3.1.1 Description**

Login is not applicable for the current testing scope as all functionalities are accessible without authentication.

**3.1.2 Functional Requirements**

**Test Case 1 – Landing Page**

* Access the landing page by visiting the EMI calculator main URL ([EMI Calculator for Home Loan, Car Loan & Personal Loan in India](https://emicalculator.net/))
* View and interact with the navigation menu

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**Test Case 2 – Home Loan EMI Calculation**

* Navigate to the home loan EMI calculator

**Input Values:**

* Price: 50,00,000/-
* Interest Rate: 9%
* Loan Tenure: 20 years

**Verify that:**

* EMI is calculated correctly
* Interest amount and principal amount is displayed

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**Test Case 3 – Personal Loan EMI Calculation**

* Navigate to the home loan EMI calculator

**Input Values:**

* Price: 5,00,000/-
* Interest Rate: 8.5 %
* Loan Tenure: 3 years

**Verify that:**

* EMI is calculated correctly
* Interest amount and principal amount is displayed

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**Test Case 4 – Car Loan EMI Calculation**

* Navigate to the home loan EMI calculator

**Input Values:**

* Price: 15,00,000/-
* Interest Rate: 9.5 %
* Loan Tenure: 1 year

**Verify that:**

* EMI is calculated correctly
* Interest amount and principal amount is displayed

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**Test Case 5 – Home Loan EMI Calculator**

* Go to the menu and select Home Loan EMI Calculator.
* Fill the required loan details.

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**Test Case 6 – Extract Data to Table**

* After filling the required loan details Scroll down to the amortization schedule(Year-wise breakup).
* Extract and store the year-wise EMI data (Interest and Principal breakup) in an Excel file.

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**Test Case 7 – UI Check for EMI Calculator**

* From the Loan Calculator menu, go to EMI Calculator
* The EMI Calculator shall provide input fields and sliders for Loan Amount, Interest Rate, Loan Tenure and Fees & Charges.
* Change loan tenure between years and months and validate if the scale updates correctly.
* The input and slider values shall sync and dynamically update the EMI output.

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**Test Case 8 – UI Check for Loan Amount Calculator**

* From the Loan Calculator menu, go to Loan Amount Calculator
* The Loan Amount Calculator shall provide input fields and sliders for EMI, Interest Rate, Loan Tenure and Fees & Charges.
* Change loan tenure between years and months and validate if the scale updates correctly.
* The input and slider values shall sync and dynamically update the EMI output.

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**Test Case 9 – UI Check for Loan Tenure Calculator**

* From the Loan Calculator menu, go to Loan Tenure Calculator
* The Loan Tenure Calculator shall provide input fields and sliders for Loan Amount, EMI, Interest Rate, and Fees & Charges.
* The input and slider values shall sync and dynamically update the EMI output.

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**Test Case 10 – UI Check for Interest Rate Calculator**

* From the Loan Calculator menu, go to Interest Rate Calculator
* The Interest Rate Calculator shall provide input fields and sliders for Loan Amount, EMI, Loan Tenure and Fees & Charges.
* Change loan tenure between years and months and validate if the scale updates correctly.
* The input and slider values shall sync and dynamically update the EMI output.

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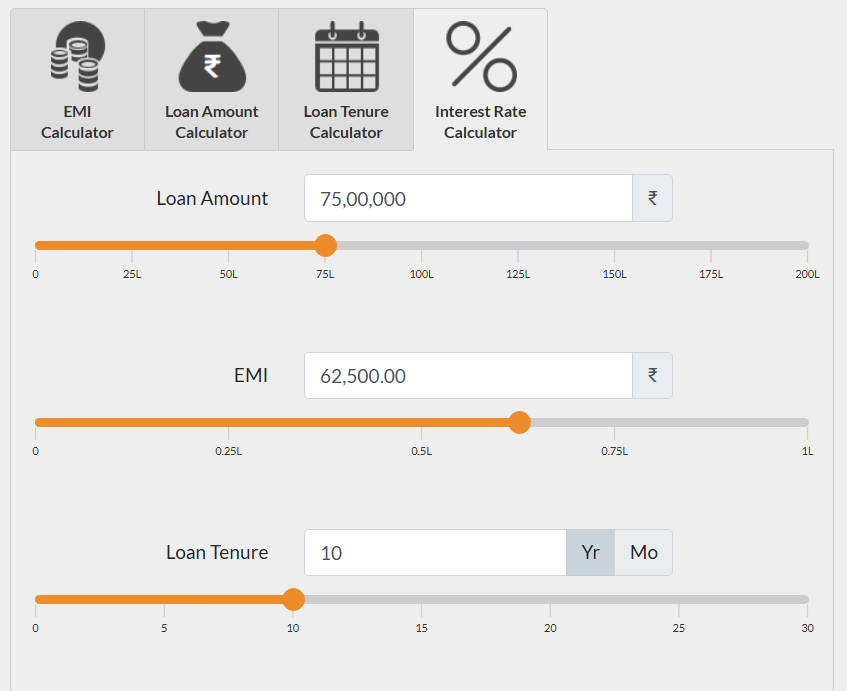
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