**Test Strategy – Interest Amount for current year**

EMI Calculator

**Interest Amount for current year**

**Test Strategy**

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**Test Strategy – Interest Amount for current year**

**1.0 INTRODUCTION**  
**1.1 Purpose**  
The purpose of this test plan is to outline the strategy, scope, approach, resources, and schedule for testing the EMI Calculator web application. This ensures that the system delivers accurate and reliable EMI calculations, meets functional and UI requirements, and performs well across browsers.  
  
**1.2 Target Audience**

|  |
| --- |
| * Developers * QA Engineers * Project Managers * Business Analysts * Stakeholders |

**2.0 SYSTEM DESCRIPTION**  
**The EMI Calculator system is designed to allow users to compute Equated Monthly Instalments by entering:**

|  |
| --- |
| * Loan Amount * Interest Rate * Loan Tenure (in years or months) * Fees and Charges |

**The system displays:**

|  |
| --- |
| * EMI amount * Total Interest Payable * Total Repayment Amount |

**3.0 TEST DELIVERABLES**

|  |
| --- |
| * Test Plan Document * Test Scenarios & Test Cases * Test Data * Bug Reports (if any) * Test Summary Report * Automation Scripts (if applicable) * Multi-browser Testing Report |

**4.0 TEST TYPES**

|  |  |
| --- | --- |
| **Test Type** | **Description** |
| Functional Testing | Verifying EMI calculation logic, form validations, and output accuracy |
| UI Testing | Ensuring all elements are properly aligned, readable, and responsive |
| Boundary Value Testing | Checking limits (e.g., very high/low loan amounts or interest rates) |
| Compatibility Testing | Verifying performance across different browsers/devices |
| Regression Testing | Ensuring new changes do not break existing functionality |
| Performance Testing | Validating speed and responsiveness for various data sizes |

**5.0 MULTIBROWSER TESTING**  
**The EMI Calculator will be tested on the following browsers to ensure compatibility:**

|  |
| --- |
| **Browser Version** Google Chrome Latest Mozilla Firefox Latest Microsoft Edge Latest Safari (Mac/iOS) Latest |

**6.0 TEST DATA**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Loan Amount** | **Interest Rate(%)** | **Tenure** | **Expected Output** |
| Standard EMI Calculation | 500,000/- | 8.5 | 5years | EMI, Total Interest, Total Pay |
| High Value Loan | 10,000,000/- | 7.5 | 20years | EMI breakdown |
| Zero Interest Rate | 200,000/- | 0 | 2years | EMI=Principal/Tenure |
| Large Tenure | 750,000/- | 9 | 30years | EMI, Total Interest, Total Pay |

**7.0 RESOURCES REQUIRED**  
**7.1 Hardware**

|  |
| --- |
| * Laptop/Desktop (minimum 8 GB RAM) * Internet connection |

**7.2 Software**

|  |
| --- |
| * Browsers (Chrome, Firefox, Edge, etc.) * Selenium WebDriver (for automating) * Testing Framework (TestNG ) * Bug Tracking Tool (Jira) * GitHub (version control) |