| **TEST PLAN**  **Project Name – emi calculator** |
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| **Introduction** |
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**Purpose**: This test plan outlines the approach for testing the pay-pal-pioneers, covering the objectives, scope, testable features, and responsibilities.

The **emicalculator** (<https://emicalculator.net/>) is a financial tool designed to help users calculate their Equated Monthly Installments (EMI) for loans. It provides a user-friendly interface to input loan amount, interest rate, and tenure, generating precise EMI details and an amortization schedule. The goal of this document is to outline the test plan for validating the calculator's functionality,

| **Objectives** |
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* Ensure the EMI Calculator accurately calculates loan EMIs for various inputs.
* Validate the user interface for intuitive navigation and input handling.
* Test the compatibility across multiple browsers and devices.
* Verify adherence to performance benchmarks for quick calculations.

| **Scope** |
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Functional Testing: Validation of EMI calculations for different inputs.

UI/UX Testing: Ensuring the interface is user-friendly and visually appealing.

Compatibility Testing: Testing across browsers (Chrome, Edge, Safari, etc.) and devices (desktop, mobile).

Performance Testing: Response time under high usage scenarios.

Security Testing: Validation of data integrity and secure handling of inputs.

| **Testable Features** |
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* Home Loan
* Personal Loan
* Car Loan
* Input fields for **Loan Amount**, **Interest Rate**, and **Tenure**.
* EMI calculation logic and output display.
* Amortization schedule generation.
* Dropdowns for tenure options (months/years).
* Responsive design for mobile and desktop views.
* Chart visualizations for EMI breakdown.
* Accessibility features, keyboard navigation, screen reader support.

| **Testing Approach** |
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**Test Design**:

* Use boundary value analysis for inputs.
* Perform equivalence partitioning for varied user scenarios.

**Test Cases**:

* Manual testing for functionality and UI validations.

| **Roles and Responsibilities** |
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* **Test Manager**: Oversee the testing process, allocate resources, and monitor timelines.
* **Test Analyst**: Prepare test cases, scenarios, and review the test plan.
* **Testers**:Write test cases, log defects, and perform retests.

| **Test Schedule** |
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* **Planning**:1 Day
* **Test Case Design**: 1Day

| **Test Deliverables** |
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* **Test Plan Document**
* **Test Cases in Google Sheets**

| **Entry & Exit Criteria** |
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**Entry Criteria:**

* Requirement documents are approved.
* Test environment is set up.
* Test data is prepared.

**Exit Criteria:**

* All planned test cases are Written.

| **Tools** |
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* **Test Case Management**: Google Sheets/Docs for documenting test cases and maintaining test records.