emicalculator.net

FIND THE INTEREST AMOUNT FOR CURRENT YEAR

TEST STRATEGY

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# 1.0 INTRODUCTION

## 1.1 PURPOSE

The Test Strategy document is used to define types of testing, levels of testing and to record the approach that will be used for the various types of testing of the system. This document outlines the approach to be used to ensure that the critical functionalities, both new and existing, of the system are tested at the appropriate level.

The Test Strategy document will also define the scope of testing to enable the development of test conditions, test cases, automation and estimates.

The Test Strategy document serves as a communication vehicle to identify any testing issues as early as possible in the project lifecycle.

1.2 Target Audience

* 1. Business Unit (BU) SME
  2. Academy Coach
  3. Technical Trainer

# 2.0 SYSTEM DESCRIPTION

“EMI Calculator for Home Loan, Car Loan & Personal Loan in India” or "[emicalculator.net](http://emicalculator.net)" is a web application that is used to calculate EMI for home loan, car loan, personal loan, education loan or any other fully amortizing loan.

With colorful charts and instant results, EMI Calculator is easy to use, intuitive to understand and is quick to perform.

On entering loan amount, loan term and rate of interest, EMI Calculator provides information about your monthly payment (EMI). Using Home Loan EMI Calculator with Prepayments, they make prepayments to shorten home loan schedules and many other useful services.

# 3.0 TEST DELIVERABLES

|  |  |
| --- | --- |
| **Project Phase** | **Deliverables** |
| Test Planning | **·** Test Strategy Document |
| Test Analysis & Design | **·** Test Conditions  **·** Test Cases  **·** Test Data  **·** Test Environment  **·** Automated Test Scripts |
| Test Execution | **·** Test Logs |
| Test Completion | **·** Test Summary Report |

# 4.0 TEST TYPES

The following are the types of Testing used in this project,

1. Functional Testing
2. Regression Testing
3. Automation Testing

**5.0 Multi browser Testing**

Based on the requirements for the application the testing is done on two browsers to ensure the working of the application in multiple browsers. The two browsers used for testing are Chrome and Firefox.

**6.0 Test Data**

Test data for the application is provided from excel file. The test data are stored in the excel file and provided during run time. Data driven library creation is done using Apache POI and property file is used to keep the URL, Browser, Loan Amount, Interest rate and Loan term.

**7.0 Resources Required**

7.1 Hardware

* + PC

7.2 Software

* + Windows 7 and above
  + Mac OS 10.14.1 and above
  + Chrome 60 and above
  + Firefox 60 and above
  + MS Excel
  + Selenium Web drivers
  + Apache POI
  + TestNG
  + Maven