Loan Calculator App - React JS Project

# 1. Project Overview

This is a single-page React application that calculates EMIs (Equated Monthly Installments) and converts them into other currencies using a live Exchange Rate API. It features light/dark mode, responsive layout, and routing error handling.

# 2. Features

- EMI calculation using standard financial formulas

- Currency conversion using ExchangeRate API

- Light/Dark mode with theme toggle

- Fully responsive UI with Material UI

- ErrorBoundary and 404 routing

# 3. Technologies Used

React JS, Material UI, React Router, Context API, Axios

# 4. How to Run the Project

1. Ensure Node.js and npm are installed.

2. Unzip the downloaded folder.

3. Open terminal in the folder and run `npm install`.

4. Replace YOUR\_API\_KEY in `LoanCalculator.js` with your ExchangeRate API key.

5. Start the app with `npm start`.

# 5. Deployment

You can deploy this app using platforms like Vercel or Netlify.

GitHub: <https://github.com/suraj1272/loan_calulator>

WebSite: <https://loan-calulator-black.vercel.app/>