

Currency Converter Project Documents

Project Name: Currency Converter (React + Tailwind CSS)

Description: -

This project is a responsive currency converter built using React and Tailwind CSS. It allows users to convert one currency to another using real-time exchange rates from the open.er-api.com API. The application includes searchable dropdowns, country flags, swap functionality, and optimized API usage using a custom hook.

Technologies Used:-

- React.js
- Tailwind CSS
- JavaScript (ES6)
- open.er-api.com API

Features

- Real-time currency conversion
- Searchable dropdowns
- Country flags with currencies
- Swap currencies
- Responsive UI
- Optimized single API call using custom hook

Project Structure

●src/

components/

CurrencyConverter.jsx

CurrencySelect.jsx

hooks/

useCurrency.js

constants/

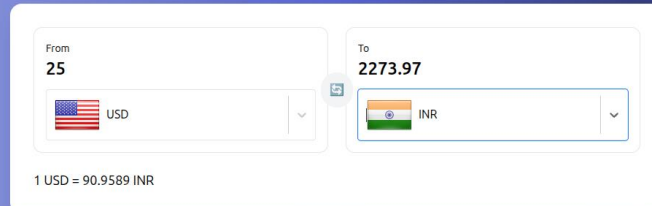
currencyFlags.js

How It Works

The application fetches exchange rates once from the API using a custom hook. All conversions are calculated locally to reduce network requests. Users enter an amount, select currencies, and instantly see the converted value.

current Image

Currency Converter



From: 25 USD

To: 2273.97 INR

1 USD = 90.9589 INR

Changes are required

- Remove the background Image
- Adding the Header
- Adding footer
- Adding logo

Header: -

Logo

Background: -

Gradient color

Responsiveness

