

XCHANGE

Description

Intended User

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User Interface Mocks

Screen 1

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Key Considerations

How will your website handle data persistence?

Describe any edge or corner cases in the UX.

Describe any libraries you'll be using and share your reasoning for including them.

Next Steps: Required Tasks

Task 1: Project Setup

Task 2: Implement UI for Each Web Page and Frame

Task 3: API Integration

Task 4: API and Service Testing

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XChange

Description

XChange is a basic and simple service which provides its users with the latest and accurate prices of all stocks, currencies and crypto/digital currencies from around the world. It uses the Alpha Vantage API to fetch all the data.

Intended User

The intended user of this service is anyone who wishes to buy, sell or just monitor various currencies and stock options. It can be anybody to a common man to a large organization.

Features

- Input a company symbol to get its latest stock price
- Get the exchange rate of any 2 physical currencies
- Get the exchange rate of a physical and a crypto/digital currency

User Interface Mocks

Screen 1



This is the main page of the website. It gives a brief introduction of all the services provided by this website.

Screen 2

XCHANGE [Home](#) [Stocks](#) [Currency](#) [Crypto](#)

Exchange Rate

From

To

[Search](#)

List of some Currency Codes

- INR:- Indian National Rupee
- USD:- United States Dollar
- BTC:- Bitcoin
- AED:- UAE Dirham
- AUD:- Australian Dollar
- EUR:- Euro
- GBP:- British Pount Sterling
- JPY:- Japanese Yen
- SGD:- Singaporian Dollar
- HKD:- Hong Kong Dollar

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Powered by Alpha Vantage

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This page will give out the exchange rates between two physical currencies

Key Considerations

How will your website handle data persistence?

The website only needs to save the keyword/keywords which can be easily saved in a variable which is globally accessible across all pages.

Describe any edge or corner cases in the UX.

The navbar has a list of links to go to any page on the website. In addition the logo also acts as a home button.

Describe any libraries you'll be using and share your reasoning for including them.

The website uses the Alpha Vantage API to obtain the all the requested content. It also uses the w3.css and font-awesome.min.css in order to maintain the navbars.

Next Steps: Required Tasks

Task 1: Project Setup

Set up a developer account with Alpha Vantage and get the API key in order to access their APIs.

Then get familiar with the various endpoints offered by them and select the required ones.

Task 2: Implement UI for Each Web Page and Frame

- Build UI for Home Page
- Build UI for the Stocks Page
- Build UI for the Currency Page
- Build UI for the Crypto Page
- Build UI for the About Us page
- Build UI for the Contact Us page

Task 3: API Integration

After proper testing and linking Implement the Alpha Vantage APIs and display suggestions on each page.

Task 4: API and Service Testing

Run the whole integrated service. Add code to handle any errors related to the API.