

Deliverable 1 - Report

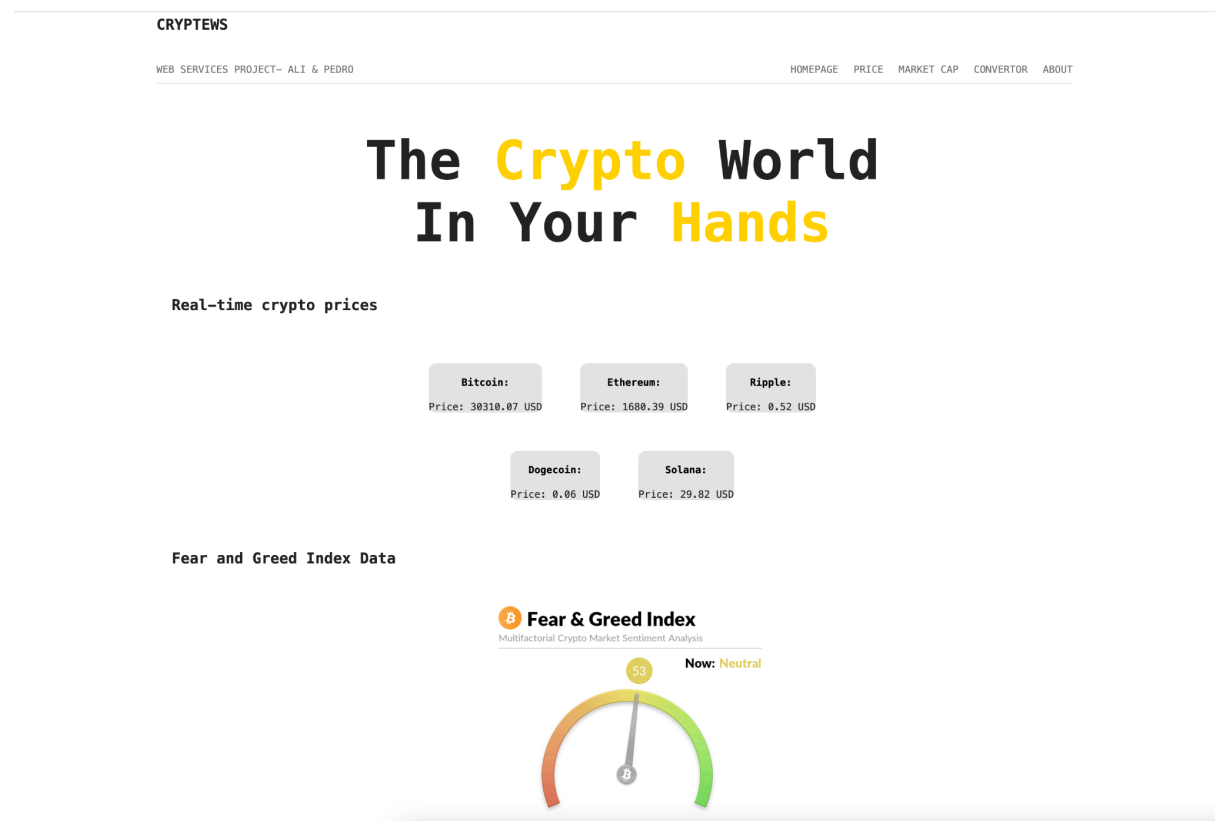
Pedro & Ali

In this report, we will explain a bit about the development of our server using EJS (Embedded JavaScript) templates, in order to complete our project. Additionally, we explored the integration of three distinct API connections into the server + the creation of our own converter tool, from dollars to crypto. The project aimed to create a dynamic web application that leverages these APIs to provide valuable content and functionality in the field of cryptocurrency.

Server Development with EJS

With this project, we understand that EJS is a powerful templating engine that allows for the dynamic generation of HTML content on the server-side. Our team utilized EJS to build the front end of the website + connect front end and back end. This approach enabled us to create reusable components and efficiently manage the client-side user interface.

Our homepage



Our API connections

1. Price Tracking with CoinMarketCap API:

To provide real-time price information for various cryptocurrencies, we leveraged the CoinMarketCap API, a renowned source for crypto data. We integrated this API into our server to fetch and display up-to-the-minute price data for a wide range of cryptocurrencies. This feature allowed users to stay informed about the ever-fluctuating cryptocurrency market.

2. Market Cap Visualization with CoinMarketCap API:

In addition to price tracking, we extended our API integration to include the market capitalization data for a list of cryptocurrencies. CoinMarketCap's API was instrumental in providing this information, which we presented in a simple and user-friendly format on our website. This data was crucial for users seeking insights into the overall market health and trends.

3. Crypto Fear & Greed Index Integration:

Beyond basic price and market cap data, we incorporated the "Crypto Fear & Greed Index" by Alternative. This index offers a unique perspective on market sentiment, providing users with a valuable indicator of investor sentiment. By integrating this index into our website, we aimed to offer a comprehensive view of the crypto market, complementing the traditional financial data.

Our custom feature

● Custom Converter Feature:

As a standout feature of our project, we developed a custom cryptocurrency converter tool. This tool allowed users to calculate how much of a specific cryptocurrency they could obtain with a given amount of dollars.

By entering an amount, users could instantly see the equivalent cryptocurrency amount, considering the real-time exchange rate data from CoinMarketCap. This tool is a big help to users interested in investment decisions and provides a quick way to assess very important financial information.