Capstone 2 Proposal - Crypto Bible (Cryble)

1. What tech stack will you use for your final project?

React and Node.js

1. Is the front-end UI or bank-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application?

This is going to be a full stack application that uses the back-end for authentication and database needs and front end for everything else. It will weigh in favor of the front-end because most if not all of the information retrieved from the api need not be stored on the backend.

1. Will this be a website, a mobile app or something else?

This will be a web app but will be adapted to be used on a mobile device.

1. What goal will this website be designed to achieve?

The goal of this web app is to create a library of some sort where people interested in learning about crypto currencies can go to get background information on the top cryptocurrencies in the world and also find recent news articles that can possibly aid them in making investment decisions.

1. What is the demographic of my users?

The demographics of my users are millennials and gen-zs that are really interested in this new age of cryptocurrencies and learning what these are and how they operate so they can go ahead and make educated investment decisions.

1. What data are you planning to use?

This app will use the Rapid API Coinranking and Bing News platforms. The Coinranking platform will be used to retrieve information on cryptocurrency data, exchanges, stats etc. Bing News will be used to retrieve recent news articles on individual cryptocurrencies and the crypto markets as a whole.

1. A brief outline of my approach to creating this project:
2. What does the database schema look like?

The only information that will be saved in the database is user information, which will allow for authentication functionalities on the app.

Users - columns will include first name, last name, email, username, password etc.

1. What kind of issues might you run into with your API?

There are no glaring issues with the APIs I have chosen, they seem like the information has been curated in such a way that it is easily digested.

1. Is there any sensitive information you’ll need to secure?

The only sensitive info that will be stored in the Cryble db will be user information, but the db will only store hashed passwords so there isn’t a huge worry that the users information might be at risk.

1. What functionalities will your app include?

A major functionality of this app is that it will be able to retrieve all financial information on displayed crypto currencies across 5 years and plot these on a chart. The user should be able to toggle across timelines to view the financial information at those different times.

1. What will the user flow look like?

The user will have to log in or sign up to gain access to the app, once they are logged in, they’d be able to view crypto currencies, exchanges and news. They will also be able to change their first name, last name and email address.

1. What features make your site CRUD, any stretch goals?

Create - The users will be allowed to create accounts

Read - The users will be allowed to read information about various cryptocurrencies

Update - The users will be allowed to update their profile.

Delete - The users will be allowed to delete their account