

Team 8 Project Charter

CryptoLeague

Team Members:

- Varun Gupta
- Nisarg Kolhe
- Ritwik Bhardwaj
- Utkarsh Jain

Project Statement:

With the huge amount of attention cryptocurrencies have received in the recent years, but the volatility and the sheer complexity of getting started with crypto can be overwhelming for many. Thus, we're building a web app which lets people build their cryptocurrency portfolio using virtual money so that they can practice and make informed investments. The users will be able to participate in weekly leagues and compete with other players for the most amount of gains, and winning our prize tokens in the process! The unique competitive nature of the leagues will encourage players to learn from each other, and hence get better understanding of the market for investing in real money and hence contribute to the growth of cryptocurrencies.

Project Objectives:

- Allow users to create and manage their virtual cryptocurrency portfolio.
- Develop different leagues for player to participate in.
- Develop Ethereum ERC20 tokens to be used for league buy-ins and prize distribution.
- Implement real-time leaderboard comparing player's portfolios from current market data.
- Help users see the current trend of cryptos and see which cryptos to invest in.

Stakeholders:

- **Users:** Any person throughout the world who likes to invest in cryptocurrencies and would like to learn more about it.
- **Developers:** Varun Gupta, Nisarg Kolhe, Ritwik Bhardwaj, and Utkarsh Jain
- **Project Manager:** Varun Gupta
- **Project Owner:** Varun Gupta, Nisarg Kolhe, Ritwik Bhardwaj, and Utkarsh Jain

Project Deliverables:

- An Angular 4 based front-end which will allow users to participate in various leagues and keep track of their virtual cryptocurrency portfolio.
- A real-time leaderboard of all players participating in the league.
- Supporting backend will be in Node.JS which will handle the APIs for different leagues and communicate with the database.
- A MongoDB database to manage all of the data of the users and the leagues.