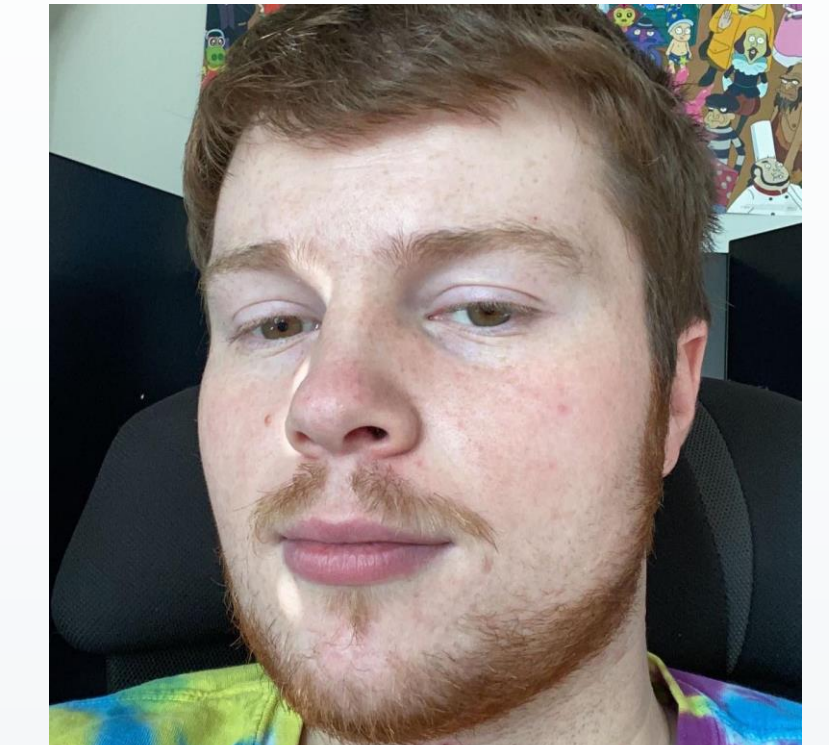


Blockchain Mining Pool Data Analysis Web Application

Team Combined Mining
Advisor Nitin Nitin



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Overview

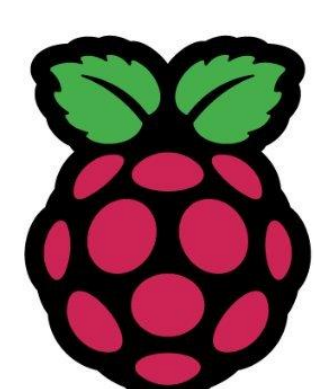
Combined Mining is a web that allows users to track their statistics and store them for historical analysis for data across several pools. No longer will miners be forced to spend hours maintaining ever changing spreadsheets of data, the data will be readily available for them to monitor their investment. The web application will provide an overview of users mining pools that they connect to their accounts.

Problem Statement

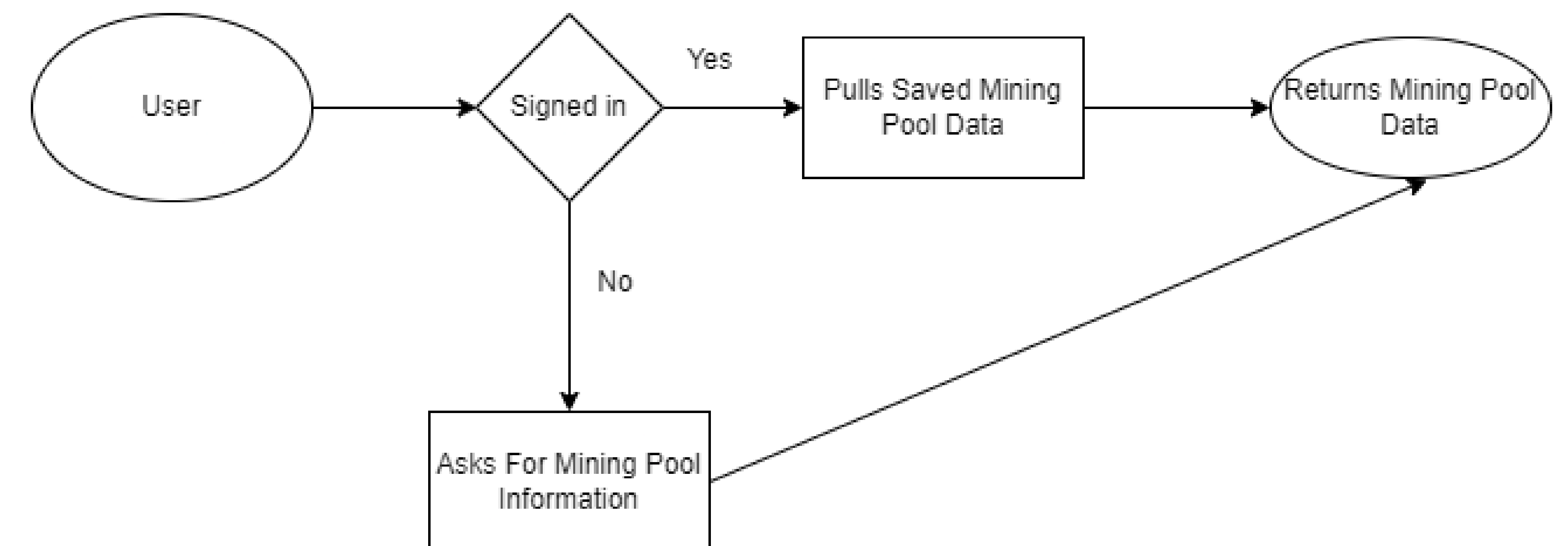
Cryptominers frequently use multiple different mining pools to maintain the highest profitability and compatibility amongst graphics cards. However, it is difficult for most miners to compare and track their data across multiple pools. Currently there is no solution that allows for miners to see all their miners in one location as well as their current statuses.

Technologies

- Raspberri Pi
- MongoDB
- Javascript
- HTML
- CSS



User Flow



Challenges

- Integrating the data base with the API to store data over time
- Issues with setting up the Raspberri Pi and Frontend Code

Achievements

- Working web application
- Ability for a user to view information of multiple miners in different supported pools on one screen

Future Plans

- Finishing implementation of long term data storage
- Implementing built in analytics