Project Development Concept

Description

Portfolio Tracker Application provides users ability to track their Stocks and Crypto portfolio and real time capital gains and losses

Motivation

Today, there are different websites that provide stock and crypto information. The objective is to provide a single tool to capture the portfolio and its history

User Stories

- As an active investor, I want to track my investments in a portfolio application, so that I can track performance
- Given my stock and currency holdings, when I do a lookup of these investments in the app, I expect to see the current value and total gain or loss.

Project Development Process

Technologies Used

- Used the Foundation CSS framework as the underpinning of a polished, mobile-first UI
- Adhered to peer reviews for good quality coding standards (indentation, scoping, naming, etc.)
- Did NOT use alerts, confirms, or prompts as a technology solution
- Designed to be interactive (i.e. accepts and responds to user input)
- Application is deployed via GitHub Pages
- Uses DOM client-side storage to store persistent data
- Uses two different server-side APIs for stocks and crypto

Tasks and Roles

- Role of Front End Developer; tasks include implementing the HTML underpinnings using Foundation and coordinate element selector interaction with scripts
- Role of Front End Developer; tasks include implementing the CSS styling using Foundation and coordinate page design elements to meet acceptance criteria
- Role of Backend Developer; Backend tasks divided into two stream for stocks and crypto development and coordinated elements and storage use to meet the project requirements

Challenges

- Timely communications for executing, collaborating, and closing the different workstreams of the team to achieve specific goals
- Better communication regarding changes in project requirements and interfaces

Successes

- Delivered iterative and incremental development towards an MVP1 version of the page that met the specific success criteria within the specified time
- Came together as a combined team to quickly resolve discrepancies, complete testing, and to integrate the various workstreams into a functional product

Portfolio Tracker App Features

- Real time tracking of stocks and crypto assets
- Consolidated view in an easy to use interface
- Real time capital gains/loss information
- Stock Ticker autocompletion
- Support for hundreds of actively traded stocks on US exchanges
- Support for Cryptocurrencies i.e. Bitcoin, Ethereum, Litecoin, Bitcoin cash
- Stock Ticker Autocompletion
- Real time data provided by Tiingo and Coinranking
- Capital Gains/Loss calculation based on purchase date
- Personal data stored on users local machine

Technical Specifications/Future Enhancements

Technical Specifications

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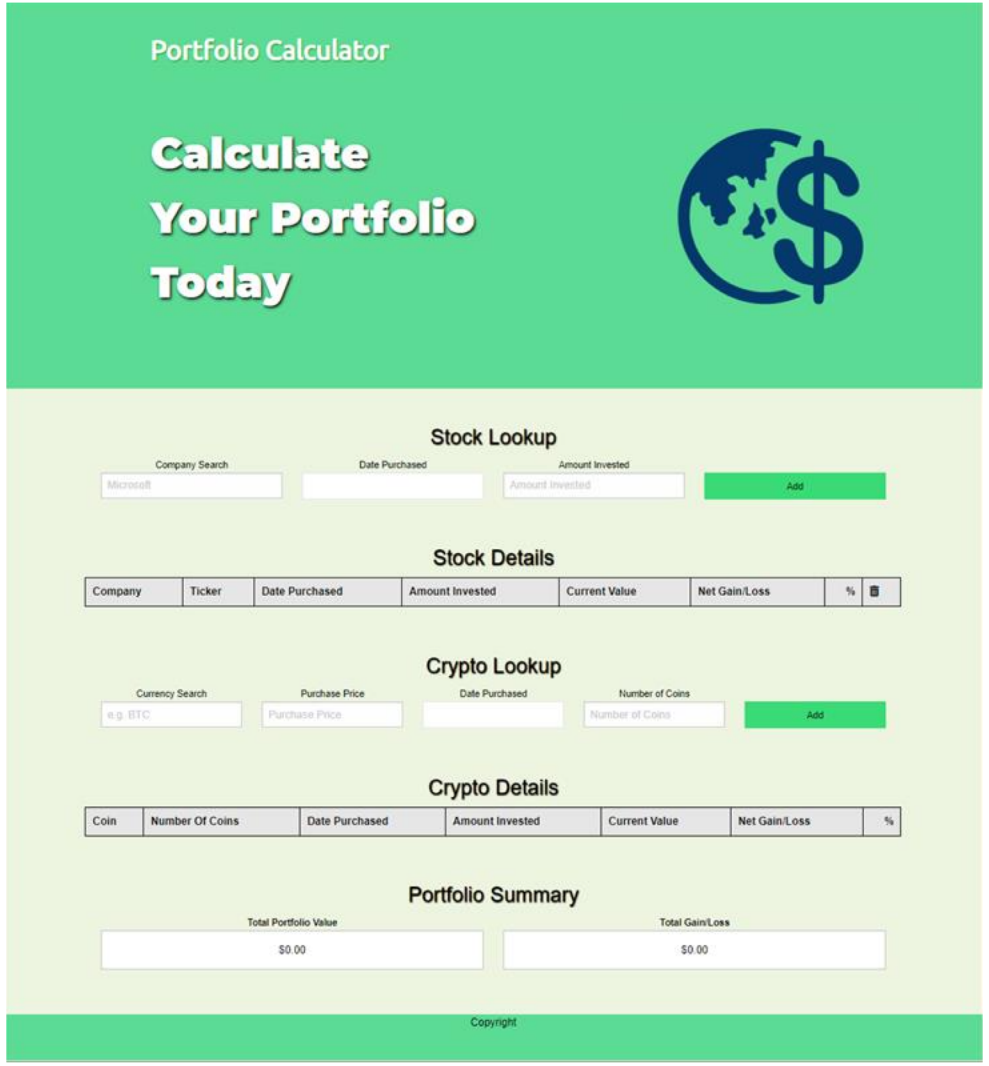
- IndexedDB – Table with Primary key and identity
- Local Storage
- Object Oriented JavaScript, Classes
- jquery for UI
- Foundation CSS Framework, mobile-first UI
- Autocompletion using JSON
- async and await, promises
- Real time stock quotes provider – Tiingo
- Real Time Crypto Quotes provider – CoinRanking

Future Enhancements

- Support for additional stocks and crypto assets
- Real Estate assets
- Credit/Debit card information

Screen Shot and Team Members



Team Members

- Pillarisetty Venkata, Srikanth
- Ten, Melvyn
- Wright, Jamal
- McGinnis, Jerron
- Crowder, Michael
- Hermann, Anthony R
- Arora, Rakesh

DEMO