

Dynamic Stock Market Tracker

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Description of App

- A full stack application which allows users to sign up for an account and login to their account, search for stocks to get data back in multiple forms (text, charts, graphs) that are interactable /dynamic, and users can customize / update their profile information.
- App will have:
 - Login page
 - Signup page
 - Stock search /results page
 - Smart search (regex)
 - Profile page
- Techstack
 - Frontend: React.js
 - Backend: TBD
 - Database: TBD
 - Auth: JWT



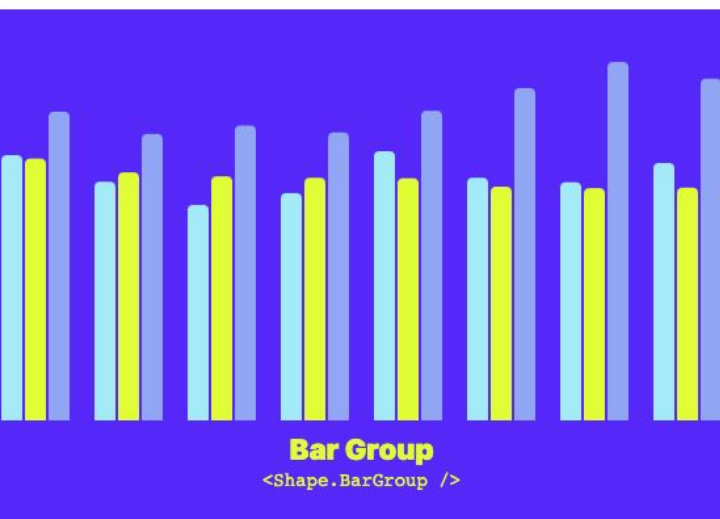
3rd Party Stock APIs

- Will use a 3rd party API that provides stock data that is updated regularly.
- Some stock API options to explore:
 - [Finnhub](#)
 - [Polygon.io](#)
 - [Alpha Vantage](#)
 - [Yahoo Finance](#)



Sample Response

```
3  "result": [  
4    {  
5      "description": "APPLE INC",  
6      "displaySymbol": "AAPL",  
7      "symbol": "AAPL",  
8      "type": "Common Stock"  
9    },  
10   {  
11     "description": "APPLE INC",  
12     "displaySymbol": "AAPL.SW",  
13     "symbol": "AAPL.SW",  
14     "type": "Common Stock"  
15   },  
16   {  
17     "description": "APPLE INC",  
18     "displaySymbol": "APC.BE",  
19     "symbol": "APC.BE",  
20     "type": "Common Stock"  
21   },  
22   {  
23     "description": "APPLE INC",  
24     "displaySymbol": "APC.DE",  
25     "symbol": "APC.DE",  
26     "type": "Common Stock"
```

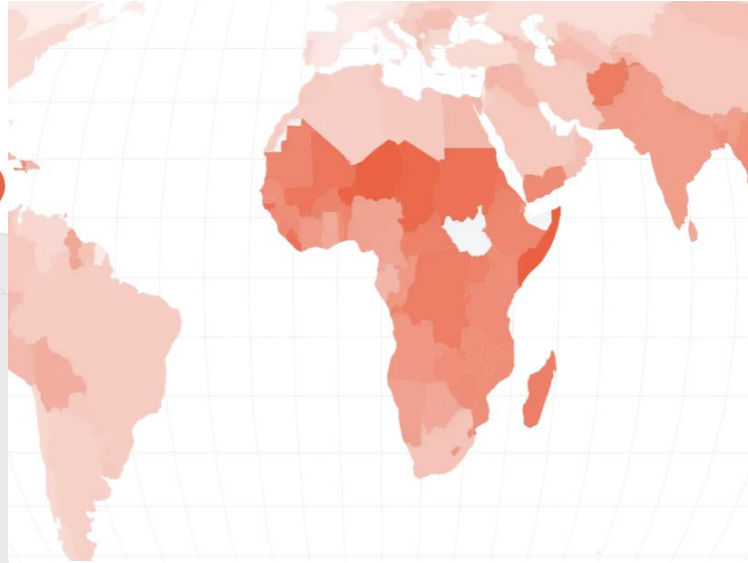
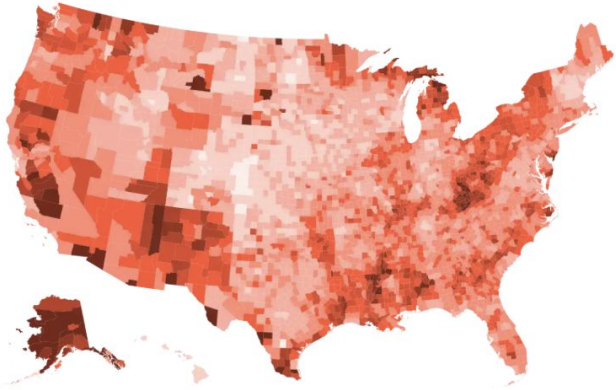


Data Visualization UI/UX

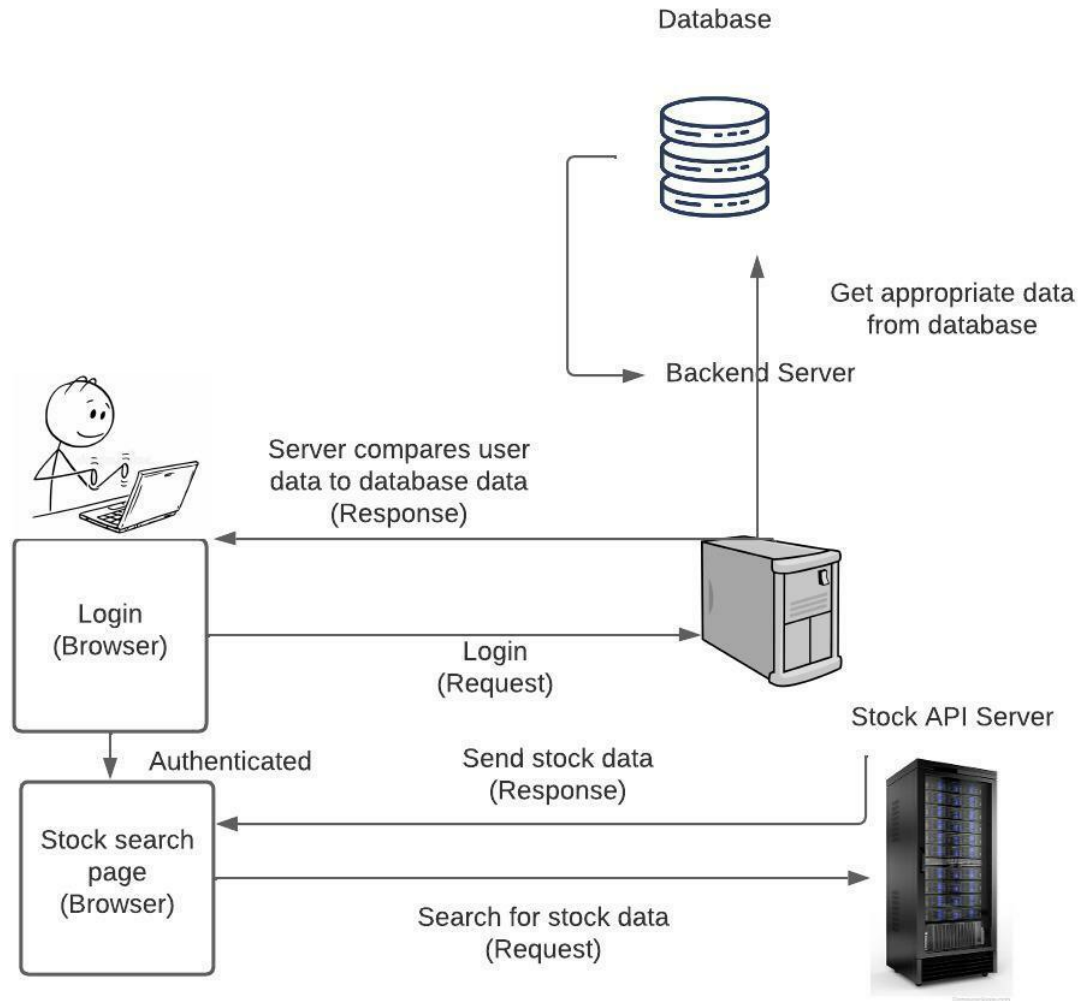
- Will put the stock data into dynamic charts from [VisX \(Airbnb's Data Visualization Components\)](#).

Alternative Data

- Using alternative forms of data for a stock.
- Could also use different types of plots besides bar and line charts.



Flow Chart of App



AdobeXD Wireframes

[Link](#)

<https://xd.adobe.com/view/541e5369-ded2-4266-5398-d46f86f63d88-222f/?fullscreen>

