**Project Proposal**

**Stock Market**

1. This website is to get information about stock market latest news, stock prices, related graphs, Cryptocurrencies.
2. Users who have interest in investing their capital in the stocks, Cryptocurrencies can visit this website to get the latest news. Also, users who don’t want to invest right now but want to make a watch list where they can add their favorite stocks in it can also make use of this website.
3. In my website I would like to have the latest stock market news, stock and Cryptocurrency prices, with their related graphs.
4. My approach to create this project:

**Schema for this project:**

* **Users:**

|  |  |  |  |
| --- | --- | --- | --- |
| **id** | **username** | **email** | **password** |

* **Stocks:**

|  |  |  |  |
| --- | --- | --- | --- |
| **id** | **stock\_name** | **ticker** | **stock\_price** |

* **Cryptocurrencies:**

|  |  |  |
| --- | --- | --- |
| **id** | **crypto\_name** | **crypto\_price** |

* **Users\_stocks:**

|  |  |  |
| --- | --- | --- |
| **id** | **user\_id** | **stock\_id** |

* **Users\_crypto:**

|  |  |  |
| --- | --- | --- |
| **id** | **user\_id** | **crypto\_id** |

**Issues with API:** I still have to figure out which API’s I will be using.

**Sensitive info:** I will make sure to make a separate file for API\_token to secure it from the client side.

**Functionality:** Users can make their watch list of all of their favorite stocks or cryptocurrencies. They can view graphs and latest news related to their watch list.

**User Flow:** large numbers of users can sign up and enjoy this website.