**Release Plan**

**SmartTick**

**June 6, 2025**

### **High Level Goals**

* Be able to see the recent trades of congress’ stocks within the past 6 months
  + See which politicians are connected to which stocks
* Be able to see a graph of a listed stock
* Various filter systems to organize stocks by politician, party, or other categories
* Users can keep track of politicians or stocks of their choosing
* Leaderboard of portfolios, and make simulated portfolio (fake money, real data)

### **User Stories (2 week sprints)**

#### **Sprint 1:**

* User Story 1.1: As a user, I want to be able to see information about a particular stock.
* User Story 1.2: As a user, I want a table that shows recent politicians’ trades so I can see all the relevant trading information in one place.

#### **Sprint 2:**

* User Story 1.2: As a user, I want a table that shows recent politicians’ trades so I can see all the relevant trading information in one place. (Continued from Sprint 1)
* User Story 2.1: As a user, I want to see analysis of a stock so I can make more accurate assessments of a stock’s value and make better trading decisions.
* User Story 2.2: As a user, I want to see which politicians recently traded a particular stock.

#### **Sprint 3:**

* User Story 3.1: As a user, I want to be able to see more information about the company when I click on their stock, so that I can decide if I want to invest in this stock.
* User Story 3.2: As a user, I want to see a graph/live feed of a given stock when I click on it so I can better judge its performance.
* User Story 3.3: As a user, I want to be able to click on a politician’s face and see a page displaying their profile
* User Story 3.4: As a user, I want to be able to filter Stocks by Legislature’s party, state, or other stats

#### **Sprint 4:**

* User Story 4.1: As a user I want to see a leaderboard of most frequent spending politicians.
* User Story 3.3: As a user, I want to be able to click on a politician’s face and see a page displaying their profile (Continued from Sprint 3)

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### **Full List of User Stories (All Sprints)**

* 1.1 As a user, I want to be able to see information about a particular stock
  + There is a system wide method for getting stock information to and from the database
  + Stock information from the database can be displayed on the front end
  + Stock data has a way of getting updated regularly and migrated to the database
* 1.2 As a user, I want a table that shows recent politicians’ trades so I can see all the relevant trading information in one place.
  + Establish some form of scraping politician data from the web, or via and API
  + Data is formatted and migrated to the database regularly
  + Establish routes for the frontend, such that a user can retrieve them via front
* 2.2 As a user, I want to see which politicians recently traded a particular stock.
  + Front end can interact with politician data via routes
  + A table is made for the front end, in which the politician information and the stock information can be viewed with the most up to date information.
* 2.1 As a user, I want to see analysis of a stock so I can make more accurate assessments of a stock’s value and make better trading decisions.
  + Stock trading algorithms and tactics are thoroughly researched
  + Analysis are fully developed and displayed on the frontend
* 3.1 As a user, I want to be able to see more information about the company when I click on their stock, so that I can decide if I want to invest in this stock
  + Further develop API or method of fetching stock data such that more company information can be displayed in a pleasant way
* 3.2 As a user I want to see a graph feed of a given stock when I click on it so I can better judge its performance
  + Organize stock data that can be used for a graph
  + Add any graph information into the database if needed
  + Add graph item to frontend
* 3.4 As a user, I want to be able to filter Stocks by Legislature’s party, state, or other stats
  + Further develop table view of information and add filters based columns within the database
  + Ensure all items can be sorted or filtered based on mentioned columns
  + Add items to home page
* 3.3 As a user, I want to be able to click on a politician’s face and see a page displaying their profile
  + Have button or link with politician’s face on ti
  + Have button reroute to congress search with associated politician's name inputted into the search bar
* 4.1 As a user, I want to see a leaderboard of most frequent spending and most frequent trading politicians
  + Create two separate tables with database calls that are organized by desired priority.
  + Ensure that the tables do not clash with each other when implemented on the home page.
  + Ensure tables are specified

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### **Product Backlog**

#### **Major goals**:

* See how many trades politicians made of a given stock on a given day (graph that shows when and how much politician owned stock was traded)
* Compare two politicians' portfolios?
* Compare between trade data and actual performance of the stock (how smart are their trades?)

#### **User Stories:**

* As a user I want google ai to help me analyze stocks (stretch)
* As a user I would like my data to be stored for saving user data.