**Sprint 1 Plan**

At the end of your team's sprint planning meeting, the team needs to turn in a sprint plan. This document needs to be typewritten (or the team needs to use a web-based agile planning tool and provide the TA/tutor access to the tool to view the

project) and have the following elements:

Product/Team Name: **SmartTick**

Start Date: **4/9/2025**

Completion Date: **4/22/2025**

Revision Number/Revision Date: **4/14/2025**

### High Level Goals (Project-wide)

* 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 other influential people’s stock information too
* 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
* 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 and compare their portfolios to user’s
* Compare two politicians' portfolios?
* Leaderboard of portfolios, and make simulated portfolio (fake money, real data)
* Compare between trade data and actual performance of the stock (how smart are their trades?)
* Make purchases mimicking politicians stock purchase (backlog but wanted to mention)

### High Level Goal for Sprint 1

* **Provide users basic data about trading and investment information for a list of influential politicians, so that they can identify stocks that may be influenced by political decisions or insider knowledge.**

### User Stories (ordered from most to least important)

* As a user, I want to see a list of politicians so I can see information about their investments. (1.4 - 8 points)
* Task 1: Identify source of politician data (time estimate)

Total time estimate for user story 1:

* As a user, I want a table showing politicians’ trades so I can see all the relevant trading information in one place. (1.4 - 8 points)
* Task 1: (time estimate)

### Team Roles

* Rudy Chavez: Project Owner
* Greg Grigorian: Scrum Master
* Jonathan Guité: Developer
* Antonio Duran: Developer
* Rithvik Mungara: Developer
* Joey Lee: Developer

∙ **Initial task assignment:** A listing of each team member, with their first user story and task assignment. This should look like:

*Team member 1: user story, initial task*

*Team member 2: user story, initial task*

*...*

*Team member N: user story, initial task*

### Initial Task Assignment

* Rudy Chavez: Make Github repo
* Greg Grigorian:
* Jonathan Guité:
* Antonio Duran:
* Rithvik Mungara:
* Joey Lee:

### Spikes

* As a developer I want the team to agree to a stack so that we can begin to familiarize ourselves with the necessary tools (1.2 - 4 points)
* Task 1: Research, discuss, and decide on an initial stack (time estimate)
* Task 2: Build knowledge and familiarity with stack technologies individually (time estimate)
* Tech Stack
  + Backend: Flask (Python)
  + Frontend: React JS + Vite
  + Database: PostgreSQL
* Research into stock analysis techniques (mathematical formulas, forecasting, etc.)

### Infrastructure Tasks

* Create shared github repository so that we can all share our work (1.1 - 2 points)
* As a back end developer I want to make sure that we can get enough storage space so that we can store all of our user data (1.5 - 4 points)
* Initial database setup?
* As a developer I want to make sure my documentation is up to date so that devs can answer their own questions rather than relying on a teammate. (1.6 - 2 points)

Info

* + user stories each labeled with assoc. high-level goal
  + Spikes (exploratory work, usually in preparation of future sprints)
  + Infrastructure tasks (acquiring tools, setting up environment)

∙ **Initial burnup chart:** A graph giving the initial burnup chart for this sprint and is labeled as such with sprint number and project name and is located in the lab.

∙ **Initial scrum board:** Also known as a task board, the scrum board is a physical board and is labeled as such with sprint number and project name and located in the lab. This board has four columns, titled user stories, tasks not started, tasks in progress, and tasks completed. Index cards or post-it notes representing the user stories and the tasks for this sprint should be placed in the user stories, tasks not started, and tasks in progress columns. Tasks associated with a user story should be placed in the same row as the user story.

∙ **Scrum times:** List at least the three days and times during the week when your team will meet and conduct Scrum meetings. Also, indicate which of these meetings will have the TA/tutor visit as arranged with the TA/tutor. It is expected the TA/tutor will visit during the Scrum meeting during your lab time.

Note that if the team ended up modifying its release plan during sprint planning, submit an updated release plan document also with the sprint plan.