**A 1-page summary.txt file**

This should contain the name and description of your project (4-5 sentences), the actual work breakdown (who did what), and the link to your GitHub repository.

**Project Name:** Stock Trading and Watching App

**Description:** A stock app is for investors who want to trade and track stocks. This compact stock trading and watching app allows investors to create a stock portfolio of multiple stocks, to get latest and historical stock price information, and to get portfolio metrics i.e. portfolio returns, which helps investors make investment decisions.

Main functionality:

* Allow a user to add stocks and investment transaction info to a portfolio:
  + stock ticker, quantity user intends to trade, date, and the target price user would like to trade the stock at.
* Display the latest price and volume information of a given stock.
* Display historical price information in a graph with various periods (3-month, 6 months, or 9 month) choices
* Provide Portfolio Metrics and Calculation to help investor with investment decisions.
  + Composition information of a user’s stock ticker and quantity for investing.
  + Total value of your whole portfolio
  + Calculate portfolio Stats for a given stock:
    - Average Cost, Portfolio Diversity, Total Return from purchase, and Total Return in percentage from Purchase.

**Work Break Down:**

* Stock Stats API - Jessica
* Portfolio and Calculations - You
* GUI and Graph - Yolanda
* Testing - You and Yolanda
* README & summary.txt - Jessica

**Link to your GitHub repository**

[**https://github.com/UPenn-CIT599/final-project-team-47**](https://github.com/UPenn-CIT599/final-project-team-47)