MIDTERM REPORT

**Project:** Coattails

**Team Members:** Ara Chung: 800978673, Abdullah Azihan: 800933742, Chia Omotosho: 801150857, Gavin Sidhu: 801104875, and Desmond WIlliams: 800667247 **Project Description:**

Produce software that can predict market trends based on portfolios. We would like to create software that can collect public portfolios, like senators’ portfolios, and recommend stocks that are predicted to do well. The prediction of trends will be for a time period that is to be determined.

**Work Accomplished:**

1. Chosepotential frontend service for user interface(Streamlit)
2. Produced proof of concept notebook(stock predictor)
3. Modeled potential system architecture(database system, ML platforms)
4. Established user requirements

**Remaining Goals:**

1. Case Diagrams and Creating StoryBoard
2. Making an integrated prototype for demonstration

**Challenges Faced:**

* Choosing from a range of technologies to develop our application (like StreamLit)
* Being able to choose a time for congress stock purchase information refresh (we want to have relatively fresh information, but not overload the user with information regularly)
* Integrating our data
* Figuring out what to use to create accurate models for our data