CSCI 234 – Software Engineering
Fall 2019
Project – Sprint 5 – Final Project

Goals:

- Finish all unfinished backlog items
- All sprint deliverables must be uploaded to the team fork before the final exam period.
- The sandwich truck must return to the distribution center after all deliveries are completed.
- Represent customer orders using either the decorator or factory design patterns. When the sandwich truck reaches a delivery destination, it will print the order, it's cost, and time to prepare. Use the following data for your calculations. Correct use of the factory pattern will earn significant extra credit.
- Prepare a 10 minute presentation for the client, and product owner that demonstrates your project, it's design, what works, what does not work, and unfinished backlog items. Your demonstration must generate 3 delivery addresses and demonstrate both routing techniques. Each routing technique must display the total distance the truck traveled and the amount of time it took the truck to travel that distance. Each person on the team must be able to discuss how these values are computed.
  Each team member is required to do an equal amount of speaking during the presentation. These presentations will happen during the final exam period.

Data for sandwich orders:

- Meat
  - Ham $1.50 30sec
  - Turkey $1.25 30sec
- Bread
  - roll $0.75 60sec
  - wrap $0.50 75sec
- Condiments
  - mayonnaise $0.25 30sec
  - mustard $0.25 30sec
  - cheese $0.75 40sec
- Vegetables
  - lettuce $0.50 20sec
  - tomato $0.75 35sec
- Sandwich paper cover $0.50 75sec
- Order bagging per sandwich $0.75 20sec
- Tax 10%