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**Project title:** Grocery Dash

**Group members:**

- Ali Atis
- Rayan Bouazzi
- Emre Guzelordu
- Zayne Lumpkin
- Landon Pattison
- Christopher Sheppard
- Yusuf Wadi

**Project description:**

The project is a fastest-route tool integrated into a shopping list webapp, specifically designed for grocery stores. Using inventory data, a shortest path can be found to get all desired groceries in as little time as possible. Everybody eats, and grocery stores are designed with unintuitive layouts to encourage shoppers spending longer in the store, seeing more items, and making more purchases; as such, increasing the speed of shopping serves to save time as well as money.

Providing an improvement to a weekly experience is motivating unto itself. The project also presents interesting challenges and novel experiences, while being feasible to possibly implement, in part, if time allows.

**Task delegation:**

- Ali Atis
  - Research
- Rayan Bouazzi
  - Documentation
- Emre Guzelordu
  - Research
- Zayne Lumpkin
  - Diagrams
  - Submitting assignments
- Landon Pattison
  - Documentation
- Christopher Sheppard
  - Diagrams
- Yusuf Wadi
  - Mock-ups and wireframes

**Scholarly paper:**

No

**Instructor feedback:**

Good choice for a topic! Shopping is always cool. Your design is promising to be a very useful one for reducing the time customers spend on shopping. Your team should consider a more detailed breakdown of the tasks as there are more of them (please see the project specs). There is no need to resubmit this proposal, though. Just make sure that you don't miss any task. In the final report, please make sure to include comparison with similar applications -if any-, make sure that you differentiate your design from those, and explicitly specify how. Fair delegation of tasks. Please share this feedback with your group members. You are good to go. Have fun with the project and hope everyone enjoys the collaboration.

**Response to instructor feedback:**

- We will provide a more detailed breakdown of the tasks done in the third section of this project proposal.
- Comparison to other applications: There is no other application currently on the market today that does this task except 1 that accomplishes a different task.
  - There was a similar application developed in prototype called instaKart but it was not a strict application but had an accompanying robot <https://devpost.com/software/instakart-9u4sxxw>, our application differs in that we want to use maps on specific retail stores to show the end user the quickest path.
  - The one application that is similar to what we are trying to accomplish is called mappedin <https://www.mappedin.com/industries/grocery/>, what differs us from them is that they provide stores with the software needed for this to implement in their own mobile apps, where we defer is that we aren't providing the functionality to a company rather we are getting the data from the company and providing it to a end user.