

Title of Project: **SmartShopper**

Group Members:

- Anthony Tomsio
- Andres Uriegas
- Kevin Chen
- Giakhanh Hoang
- Tien Quang
- Palak Sharma

What will we be doing:

- Interior Grocery Shopping Map
 - Android App
 - User creates a shopping list and it will map out the best in-store route to get all items in the shopping list
 - For the prototype, we can just use sample data or we could take a real-world Walmart example
 - Give the user additional options for brand, type (if applicable)

Our motivation:

Too many times have we went shopping and spent an extra thirty minutes - or longer - trying to get our grocery shopping done. By having a route of where to get our groceries, we could finish in a much faster time. This would also give us the chance to try shopping for new things, because we would not have to worry about finding it in an unknown location.

Real-life applications:

- For shoppers, it makes shopping quicker and more efficient
- Walmart, Kroger, HEB, Aldi, Costco, etc.
 - Grocery stores will also use data collected from what products people search and buy
 - Also will be able to use route data to place advertisements

Delegated tasks:

- **KEVIN** - Add TA to the GitHub, setup the Android Studio project and share it via GitHub.
- **GIAKHANH** - 1.4. Make the first commit to the repository (i.e., a README file with [team name] as its content).
- **ANDRES** - 1.5. Make another commit including a pdf/txt/doc file named “project_scope”. If you choose a predefined topic (one of the 4 topics described in the “Project Topic Ideas” section of this document), the contents of the file should be identical to the corresponding project in this section. If you choose other topics, the contents should follow a similar structure.

Management

- Team Leader: Kevin Chen

- Responsible for ensuring everything is on schedule
- Historian-UML Modelers: Giakhanh Hoang, Anthony Tomsio
 - Responsible for documentation, including team meetings, UML diagrams

UI

Responsible for developing the front-end of the app

- Designers: Kevin Chen, Palak Sharma

Programming

Responsible for developing the back-end as well as algorithms to implement our solution with the database system and UI.

- App Developer: Andres Uriegas, Tien Quang

Database

- Database Administrator: Kevin Chen
 - Responsible for database management, permissions, design
- Database Developer: Giakhanh Hoang
 - Responsible for connecting the app with the database

Required apps:

- Android Studio
- GitHub Desktop
- Word/Google Docs
- Trello/SmartSheet
- DATABASE-RELATED ROLES ONLY: Firebase