D2: PROTOTYPE STATUS REPORT

Team: Divide And Conquer

Team members | Student Numbers:

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App: Zippy - a grocery list service

Demo Description:

In this project phase, our team will demo the current functionalities implemented for Zippy app with no simulations. Data will be dynamically populated through two mobile devices, in order to demonstrate real-time backend synchronization with the database, in order to have a shared grocery list with real time updates. The functionalities implemented are:

- User authentication
- Add/remove list
- List sharing
- Display all lists associated to a user
- Add/remove/edit/check/uncheck items on a list
- Real-time shared list update (add/remove/edit/check)

Project Status:

- 80% complete
- All the essential functionalities have been implemented and our app main goal has been achieved: Designing and implementing a real-time shared grocery list app.
- The main challenges faced included learning the tools we decided to use for this project (Android Studio and Firebase), and implementing the database to synchronise in real-time.

Upcoming Month features to be implemented:

- Special indicator for items not found at store
- Reset list feature (uncheck all checked items)
- Unshare a list
- Game mode (shopping trip timer + check mark identified by user)
- Grocery items grouped by category (extra feature)

Architecture Overview (implemented features):