- Use case 1: Logging in

  - App verifies password
  - Verification succeeds or failure and retry

- Use case 2: Make Shopping List

  - App checks which store has all the items with the Database
  - Displays to the user a list with all the stores that have the items
  - List can be empty, if so, returns error
  - Database also returns all item locations if they exist
  - App renders optimal path between items for the user

- Use case 3: Choosing Store:

  - User chooses a store on app
  - App shows user all items in the store

- Use case 4: Check Past orders

  - User checks past orders, App retrieves past orders list from Database
  - App returns a list of past orders with an option to choose a list to re-buy from, if not, return empty list error

- Use case 5: Log out

  - User logs out of app: Success and error

- Use case 1: Logging in

  - App verifies password
  - Verification succeeds or failure and retry

- Use case 2: Make Shopping List

  - App checks which store has all the items with the Database

User	App	Database	Databes

Log in

Check password

Success/Failure

Success/Retry

Make Shopping List

Check items

List of stores/Error

Optimal path/error

Optimal path/ error

List of stores/Error

Choose Store

Get Store info

Store info

Store info

Check Past Orders

Get list of orders

List of orders/Error

List of orders/Error

Log out

Log out

Success/Error

Success/Error

User	App	Database	Databes