4/17/2024 Presentation Outline

Introduction

* We were able to satisfy all user stories and included a simple user verification system.
* Dev environment: Spring, PostgreSQL, DBeaver and Postman for testing/presentation
* Development: Followed the lecture for the initial structure, worked in parallel to find best solution, ended up being very similar, finished with an amalgam of code, worked closer at the end for general-purpose debugging/testing
* Show initial database
  + Initial database has one account and one item associated with that account
  + Users: id, username, password, isAdmin, token which we’ll get into
  + Items: Itemid, name, biggerThanBreadBox, userId

Login System (User stories: Create Account, Login to Account)

* Demonstrate admin and user register and login. Show the token system briefly, explain how it would work normally, future versions could use UUIDs

Item Adding (User Story: Add Item)

* Show admin and user adding two items each.

Item Viewing (User Stories: View Item)

* Show admin and user trying to access all items. Admin will show all items, user will only see their own.
* Show an account accessing an item by ID. Maybe show that admin can do it for any item.

Item Modifying (User Stories: Modify Item, Delete Item)

* Show one account modifying one of their items.
* Show the other account deleting one of their items.
* Have the admin account view all to show the changes to the items.
* Show the database to confirm that those changes have persisted.

Future steps:

* Improve login system (UUIDs)
* Separate out the user-token table for better normalization
* Properly joining tables using multiplicity annotations to better utilize JPA

But for now, bread.box is ready for initial deployment.