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Weekly Development Report #13.

Performance Period: **Wednesday, 04/05 - Tuesday, 04/11**

1. **Group Accomplishments:**
    - Finished Lab3 (Test plan)
    - Revised Lab2 Section3 (Functional requirements)
    - Made progress on the backend implementation of the customized container recommendation

2. **Individual Contributions/Accomplishments:** (to be filled out by each individual)

- **Judit Chang-Horvath**
    - I worked on version 1 of 'Lab3 Test Plan'. I added some clarifications to some of the test plans, and I helped to rearrange the test plans, and to set up the Traceability matrix. I submitted Lab3.
    - I updated Trello with the latest information regarding Lab4, and added the note regarding the examples of final presentations so that everyone can have a look.
    - I created an SQL query for getting the products in the shopping list of one particular user. The SQL statement, sample query results, and some explanations can be found at: https://docs.google.com/document/d/1gK-NxXtJMLHWpzCDOKhJXZMEZLZpStNGzik2kwDPJfA/edit#
    - I emptied the 'shopping_list' data table, and then I manually added records for users who are shoppers (because owners do not have access to the shopping list feature), and where we know that for a specific product and a specific store there is an entry in the 'product_offering' table. There are shoppers whose shopping list is empty, thus there will be users where the query does not return any results.
    - I added the SQL statements for adding a specific shopping list record, and removing one to the following document (corresponding to 'shopper adds product to shopping list', and 'shopper removes product from the shopping list'): https://docs.google.com/document/d/1gK-NxXtJMLHWpzCDOKhJXZMEZLZpStNGzik2kwDPJfA/edit#

- I refined the SQL query that can be used to retrieve the volume data of containers for products that are in the user's shopping list. Also, I found that the CEIL() function can be used to calculate the number of containers needed for a specific product. Notes are in: https://docs.google.com/document/d/1gK-NxXtJMLHWpzCDOKhJXZMEZLZpStNGzik2kwDPJfA/edit#
- Katelynn and I watched the 3 recorded final prototype demonstrations, and we discussed the requirements that our project would need to fulfill.
- Katelynn and I worked on Lab2 Section 3 (Functional Requirements), restructured the document, added missing sections (related to store owner screens), and incorporated feedback that we received in the comments.

- **Michael Colombini**
  - I worked on Lab 2 Section 3.
  - I worked on the Shopping List API.
  - I worked on adding Google Maps to the Store Search API.

- **Katelynn Hull**
  - I worked on Lab 3 by modifying and reorganizing test plans, as well as setting up the traceability matrix.
  - I published Lab 3 to the project website.
  - Judit and I watched the recordings of past final prototype demonstrations in preparation for our final presentation, and discussed what else needed to be done before then.
  - Judit and I worked on revising Lab 2 Section 3 by restructuring the contents and modifying the requirements for accuracy and clarification.

- **Kira Maximova**
  - worked on Lab 3 by modifying test plans (adding negative passing) and reorganization of the plans
  - worked on Lab 2 (on 3.2 section)
  - completed local regression test for google map; previous issues with grabbing the data resolved
  - reviewed the information posted by Prof. Hosni for Poster presentation

- **Abdullah Pathan**
  - Continued working on building a JWT login process in Refill.Me. After watching and reading multiple tutorials, a recommended approach was to add the 'djoser' package to the Django project. This is essentially an API made specifically for addressing user authentication and token use. I created a backend module called 'userAccounts' which serves as a playground in testing the login process. Was able to eventually get the routes to the API to work and can create accounts through the Django 'api/users' route. Will continue working on having the front-end use this module.
    https://saasitive.com/tutorial/token-based-authentication-django-rest-framework-djoser/
  - Added Lab 2 to project Google Drive

- **Gavin Rios**
  - Made strides in implementing whole app navigation
  - Made revisions to existing screens
  - Worked on Lab 3
  - Worked on Lab 2 revisions

- **John Wasikye**
  - Reset my branch to the backend_v2 after we merged it in the group meeting
  - Reworked and pushed initial code for the container guide based on feedback from Dr Miller- set up the views, working on finishing the algorithm
  - Working on finishing the conatinerguideAPI
  - Wrote group accomplishments and published weekly development report
  - Worked on revisions to lab 2 section 3
  - Worked on lab 3 test plan

3. **Issues/Concerns:**

    - [description of the issue/concern]