Team Iron / Judit Chang, Michael Colombini, Katelynn Hull, Kira Maximova, Abdullah Pathan, Gavin Rios, John Wasikye

Weekly Development Report #6.

Performance Period: **Wednesday, 02/15 - Tuesday, 02/21**

1. **Group Accomplishments:**
   - Conducted group collaboration through multiple meetings.
        i. Team
        ii. Database
        iii. Frontend
        iv. Backend
   - Worked towards and fixed the VM and increased the allocated disk space.
   - Integrated the Professor's comments into the final version of Lab 1.
   - Changed the database from the VM to a sqlite due to the issues with VM.

2. **Individual Contributions/Accomplishments:**

- **Judit Chang**
   o I submitted my functional requirements to the discussion board 'Write a Requirement / Review a Requirement', and commented on the other team's functional requirements.
   o I contacted CS root, Prof. Hosni and Dr. Miller because logging in to the VM via ssh is not working. I sent several emails, asked questions, and provided screenshots to better diagnose the problem.
   o I worked on my final Lab 1.
   o I sent several emails and communicated with CS root so that we can connect to the VM again. On 02/20 CS root informed me that we should be able to log in again to the VM. After I emptied my .ssh/known_host file, indeed, I was able to log in to the VM using ssh. Unfortunately, the docker container, docker volume, and the script file that we previously set up are gone, thus we will need to recreate all those files, and make sure that the connection between the docker container and MySQL Workbench works. I let the whole team know about this progress.
   o Next day, neither Katelynn, nor I could log in to the VM using ssh. After many emails to CS root, Prof. Hosni and Dr. Miller, log in to the VM via ssh finally worked.

- At our weekly meeting, Katelynn and I pulled the mysql docker image, and created a new docker container with a volume mounted to it. We were able to connect to this container using MySQL Workbench.
- Katelynn and I discussed our database design, and created several data tables.
- We also started to work on an updated ER diagram.
- We tried to use the script file to create a database dump and push it to GitHub, but it did not work as expected. We will try to diagnose the problem.
- I created several data tables for the product information, store information, user information that we will store, and I created a data table for the shopping list data. I inserted mock data into all these tables.
- As pushing the dump file to GitHub is not working, I created the sql files using MySQL Workbench, and stored it on my machine.
- I realized that the password for the new container is different from the one that was stored in the executable file. After changing it, and executing the file, the sql dump was created and pushed to GitHub.

- **Michael Colombini**
  - Changed the database from the VM to a sqlite due to the issues with VM.
  - Participated in a backend development team meeting to discuss personnel assignments, backend implementation, and overall goals. Setup a recurring weekly meeting with the backend team to ensure goals are met.
  - Researched into adding map functionality API.
  - Communicated with the frontend team on implementing authentication requests from the frontend with the backend.
  - Worked on Lab 1.
  - Posted and commented in the Requirements discussion board.

- **Katelynn Hull**
  - I worked on the Write a Requirement discussion board assignment.
  - I began revising my final Lab 1.
  - I edited the Prototype MFCD to include a header for the data layer per the feedback received on Lab 1.

- o I uploaded the weekly development report #5 to the website.
- o I tried logging in to the vm once more, but got a massive error message back. I reached out to Judit who confirmed that she's getting the same message. Dr. Miller suggested we clear out our known_hosts file. Judit and I both did so but now we can't log in as it says our passwords are incorrect, even though they're correct. Root has been contacted again for troubleshooting.
- o After Judit let me know that root had resolved our disk space issue and that she was able to log in again, I verified that I was able to log in to the VM after clearing my known_hosts file as well. Unfortunately everything was deleted, so we will have to remake the tables.
- o At our weekly database meeting, Judit and I recreated a docker container and volume for our database and recreated our lost data tables.
- o Judit and I also edited our database schema from last semester and discussed database design.
- o I created the saved_store, reward_point_conversion, rewarded_activity, and reward_points_history data tables and populated them with mock data.
- o I began working on Lab 2.

- **Kira Maximova**
  - o Submitted Functional Requirements per the class schedule with comments to the other teams
  - o Due to VM anomalies - the assigned task to clean the volume on VM became obsolete - I only researched it but haven't worked on it
  - o I began working on the Lab1 revision per Prof. Hosni and Prof. Corneliussen's comments
  - o Met with the Backend team to discuss the current standings, and splitting tasks, and went over questions/concerns, and any suggestions; while the first meeting was on Monday, the recurring meetings will be on Wednesdays
  - o Dr. Miller's last Friday recommendation for the backend to transition to SQLite; thus, I researched and configured SQLite & SQLiteStudio with VSC
  - o Restructured the personal Learning log as it began to look more as the tasks completed
  - o I started looking into Demo #2
  - o With Michael's help, I could configure a Test module.py file
  - o I researched on the integration of google maps API with django

- **Abdullah Pathan**

- Built 'Advocacy and Petition site' interface, added Montserrat font to project as alternative to Avenir, completed Issue #24
- Had weekly front-end meeting with Gavin, able to discuss a weekly pair-to-pair programming session, next direction with the front-end side
- Started working on Issue #31: Create user interface for Registration form
- DId the Functional Requirement assignment

- **Gavin Rios**
  - Completed write/review a requirement assignment
  - Discussed overall direction, work breakdown, issues, and plan for login/register interface and functionality in frontend team meeting
  - Scheduled peer to peer meeting with Abdullah
  - Completed Container Guide Interface, Issue #14
  - Reviewed resources for connecting login/register interfaces to Django via auth requests
  - Worked on revising/reviewing Lab 1

- **John Wasikye**
  - Completed the Write a Requirement/ review a requirement
  - Made changes to Lab one based on feedback
  - Participated in a backend team meeting. Discuss responsibilities, marked our progress and shared information
  - Started developing code locally to access containers and test access of the test containers.
  - Researched Maps API integration, as well as general API integration to Django

3. **Issues/Concerns:**

- Problems with the VM.
- Continued integration with frontend and backend