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

Weekly Development Report #2.

Performance Period: **Wednesday, 01/18 - Tuesday, 01/24**

1. **Group Accomplishments:** <designated team member (John) should summarize group accomplishments>

    - Team made the decision on using Git Issues and Trello for user stories & issues tracking
    - With the help of Dr. Miller, our mentor, we set up git for our project website. From now on, changes to the project website will be done using version control.
    - Made changes to and finished Lab1 Collaborative outline
    - Verified the log in to the VM
    - Updated the RWP vs Prototype and Glossary on the Website
    - Developed a Prototype MFCD to be used for the Labs/Website.

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

- **Judit Chang**
    - I created the 'RWP vs Prototype' section on the project website, uploaded the corresponding diagrams to the linux server, and added a link to the dropdown menu.
    - I updated and added cards to our Trello board so that we can make good progress.
    - I worked on 'Lab1 Collaborative Outline', suggested some modifications, and helped to finalize it. Then, I submitted the outline on Canvas.
    - I pursued information about the best way so that we would be able to update the link to the images and lab 1 docs on our CS410 project website.
    - I pursued information so that our team can log in to the VM. We succeeded.
    - Based on Michael's and Abdullah's suggestions, I watched a few videos about GitHub Issues, and proposed that we could use GitHub Issues for Sprint and Issue Tracking, while still keeping Trello and using it for tracking non-coding related tasks (lab assignments, prototype presentations, project website updates, etc.).
    - I created an AWS account, and I am starting to get familiar with it.

- I learned about Docker (I watched several youTube videos, etc.), trying to understand what it is, and how we will be able to use it.
- I logged in to the VM, pulled the MySQL Docker Image from the Docker Hub, and ran the MySQL Docker Container.
- I attempted to connect the MySQL Docker Container with my locally installed MySQL Workbench, but it did not work. I need clarifications, thus, I emailed CS root, Prof. Hosni, and Dr. Miller.
- I contacted CS root regarding the CS410 project website, and asked whether we could get access to the codebase so that we can fix the paths of the images and lab1 docs. Waiting for a response.
- I added the 8 sprints as milestones to our GitHub repository in GitHub Issues based on our 'Sprint Breakdown'.
- I worked on my 'Lab1 Individual Report', Sections 1-3.

- **Michael Colombini**
  - I worked on the Lab 1 Collaboration Outline, specifically the prototype section.
  - I accessed the prototype virtual machine on the ODU servers.
  - I researched Docker containers.
  - I built a small application using Django framework to get familiar with the process.
  - I started the Github Project, which will allow the team to organize our Sprints and track issues and added team members, the professor and the team advisor to the Github Project.
  - I worked on the individual portion of Lab 1.
  - I created a Prototype MFCD to be used with Labs/ website.

- **Katelynn Hull**
  - I worked on the Lab 1 Collaborative Outline by adding, reorganizing, and editing some information.
  - I updated the glossary on our website to include the new entries from our revised Lab 1 Outline.
  - I checked that I was able to log in to the virtual machine.
  - I tested making a new branch in the website GitHub repository to make sure I could commit changes from my computer to the repository.

- I made an AWS account with my school email and am looking into trying to connect it with MySQL Workbench.
- I researched Docker to try to understand how we will use it for development.
- I pulled a mysql image in docker and ran the container in the virtual machine.
- I researched how to connect Docker with MySQL Workbench, which is still a work in progress.
- I worked on the individual Lab 1 sections 1 through 3.

- **Kira Maximova**
  - Participated in Lab1 Collaborative Outline by adding, editing information
  - Accessed to virtual machine
  - Watched several youtube videos on RDS, but so far came across on how to connect with SSH key with MySQL workbench, connecting with Git, react (adding instances to node.js)...
  - Looked at the docker but still not clear on how its mimic the server
  - Looked into Git Issue to understand better how it will works

- **Abdullah Pathan**
  - Researched into running cron jobs, Github pages and git hooks for the project website
  - Instead of building a cron task due to issues, built a way to update the website from our github repo using Git Hooks, Dr. Miller was able to review and provide a better way by implementing a cron job for the website in the end
  - Verified logging into linux.cs.edu.odu and virtual machine, updated website files on linux server to be a bare repository with post-receive hook (reverted after cron job was built)

- **Gavin Rios**
  - Worked on Lab 1
  - Ensured access to team VM via SSH
  - Ensured access to new team Github repos and boards
  - Did more research and troubleshooting on cron for Git pull in VM

- **John Wasikye**

- I worked on Lab 1
- I wrote the group accomplishments for this week
- I logged into the VM servers to make sure I have access.
- I researched docker
- I studied how to use Git Issues

3. **Issues/Concerns:**

    - Determining if we need to use Docker for our prototype application.
    - Configuring the communication channels between the needed Docker containers and the applications that will be used (determining the needed port numbers, setting up the connections, etc.)