

## **CPRE 492**

### **Electronic POS Group 15**

**9/16/22 - 9/27/22**

Client: Tina Prouty

Advisor: Md Maruf Ahamed

#### **Team Members/Role:**

**Saljooq Altaf:** Full Stack Developer/Systems Engineer

**Nathan Marquardt:** Backend/ Frontend/ Full Stack Developer

**William Hunt:** Backend/ Frontend/ Full Stack Developer

**Carson Campbell:** Backend/ Frontend/ Full Stack Developer

**Noah Nickel:** Backend/ Frontend/ Full Stack Developer

#### **Bi-Weekly Report**

##### **Summary**

We are closing out the prototype phase soon and have begun preliminary planning for Minimum Viable Product - deciding which features to add and how to accomplish them.

##### **Tasks done/time spent:**

- Name: Saljooq Altaf
  - Testing out Springboot and Angular app on multiple environments to began setting it up for all the other members in the team
    - Testing and getting the tokens and all the other settings to work on different environments: 5 Hrs
    - Push it on a Github repo - to essentially enable everyone to be able to clone and test : 1 Hrs
    - Updated Github repo as more and more needed configuration updates started popping up : 4 Hrs
    - Making sure everyone was added to the Okta account and that they were able to access everything as I could on my PC : 2 Hrs
    - Total work on making sure we have a stack that works on local environment for everyone => 12 Hrs
  - Testing integrating postgres with spring boot
    - Researched on how to connect a postgres instance with springboot, added needed dependencies to the project: 3 Hr
    - Researched on how to create controllers and get the data from the db instance to the spring boot server: 3 Hr
    - Total time on postgres+spring testing => 6 Hts
  - Creating and testing web-scraper
    - Spent some time working with crawler made by the previous team but found it had very inconsistent output : 2 Hr

- Spent quite a bit of time making changes and trying to fix it, but the design was really bad and it just didn't seem like there was a way to get it to work: 4Hr
- Spent a bit of time researching on python libraries to do good html parsing, found HTMLParser: 1Hr
- Spend some time tinkering with HTML Parser, making some simple toy examples : 2 Hr
- Re-wrote the whole web-scraper to basically have similar but more consistent functionality as the previous scraper - although a much simpler version : 6 Hr
- Added more capabilities to basically get all the columns needed : 3 Hr
- Researched on how to absorb all the data into a postgres db: 1Hr
- Reworked the scraper a bit and got all the data in a local db: 2 Hr
- Total for working on web-scraper => 18 Hrs
- Total – 36 Hr
  
- Name: Nathan Marquardt
  - Troubleshoot Angular Installation on Mac – 3 hours
  - HTML Research – 2 hours
  - CSS Research– 2 hours
  - JavaScript Research 2 hours
  - Meeting with Noah Nickel – 1 hour
  - Angular Drag-Drop Research- 2 hours
  - Total: 12 hours
  
- Name: William Hunt
  - Experimenting with adding features to prototype - 2 hours
  - Researching Springboot, Angular, Postgres - 3 hours
  - Planning design of features - 2 hour
  - Total:
  
- Name: Carson Campbell
  - Experimenting with prototype - 3 hours
  - Okta study and work - 3 hours
  - Prototyping of design for site layout - 2 hours
  - Strategizing the format of program (Drag and Drop etc) - 3 hours
  - Meetings - 1 hours
  - Total: 12 hours
  
- Name: Noah Nickel
  - Research Okta - 2 hours
  - Angular review and drag and drop research 6 hours
  - Meeting with Nathan - 1 hour

- Landing page inspiration and research - 2 hours
- Total: 11 hours

**Tasks planned for the upcoming week:**

- Name: Saljooq Altaf
  - Need to test the postgres dev instance to connect to spring boot and see if it gets the course data
  - start a postgres dev instance on cloud and connect it with local instance
  - do a bit of cleanup of the code
  - push everything to gitlab
- Name: Nathan Marquardt
  - Set up meeting on Tuesday with Noah to take a look at more designs for Front-End
  - Start implementation of said designs
- Name: William Hunt
  - Design controller and object structure with team
  - Begin implementation of features on own branch
  - Begin testing of some simple controllers
- Name: Carson Campbell
  - Landing page format completion
  - PIRM meeting prep
  - Okta connection to main stuff
- Name: Noah Nickel
  - Create the landing pages for students and advisors
  - Continue to refresh my Angular knowledge
  - Add features to the prototype.
  - Test prototype

**Pending Issues:** N/A

**Individual Contributions:**

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Saljooq Altaf	Testing stack on different env, creating web scraper and getting its data in a database	18	36

Carson Campbell		12	26
Noah Nickel	Brainstorming and designing landing pages with Nathan.	6	11
Nathan Marquardt	Front-End Design Meeting, Angular Drag-Drop Research/Troubleshoot	5	12
William Hunt	Testing and prototyping features with the prototype, various research	7	14

**Comments and extended discussion :**

The basic prototype should be pushed into Gitlab soon. We will have a more detailed discussion and document the features we wish to pursue to get a working application, then get started on those tasks.

**Summary of weekly advisor meeting :**

Met with the advisor and gave him a summary of what has been accomplished so far and what is planned for the future.