CPRE 492
Electronic POS Group 15
11/9/22 - 11/22/22

Client: Tina Prouty
Advisor: Md Maruf Ahamed
Team Members/Role:
Saljooq Altaf: Full Stack Developer/Systems Engineer
Nathan Marquardt: Frontend Developer
William Hunt: Backend Developer
Carson Campbell: Backend Developer
Noah Nickel: Frontend Developer

Bi-Weekly Report

Summary

Continued making progress toward the implementation of core features.
The most important feature, the POS creation page, has been updated to have full drag and drop functionality and an improved UI, and is now connected to the backend for most features.

Tasks done/time spent:
- Name: Saljooq Altaf
    - Worked on connecting the backend and frontend for some views. This largely involved writing some javascript and making some changes to backend, also researching angular specific apis to make it happen without making use of deprecated apis - 5 Hrs
    - Worked on figuring out bash script to do the deployment cleanly
        - Debugging errors - 2 Hrs
        - Enable a clean deploy of frontend as static files (would make it much faster) - 1 Hr
    - Worked on creating a CICD pipeline to automate the deployment by using the above mentioned bash scripts
        - set up an ssh key using keygenerator - 1 Hr
        - Store the key in gitlab - 1 Hr
        - Have another auth2 key specific to our repo stored in the server - this would allow git pull without needing credentials - 2 Hr
        - Created a docker image using yml to connect to server and run the relevant bash files - 2 Hrs
        - After much debugging the permissions had to be overwritten for all the static and executable assets to stop blockage of pipeline - 3 Hrs

- - http configs had to be updated to allow 3 different policies for server transactions (for backend, angular's index and static assets) - 3 Hrs
      - Ran some tests to check the the Continuous Deployment pipeline was resilient - it seems to be fairly stable now
  - Figured out how to deploy swagger api documentation and deployed it - 3 Hrs
  - Total: - 23 Hrs

- Name: Nathan Marquardt
  - Meeting with Noah on POS Creation Page (12 hours)
  - Meeting with Noah and Sal on Backend Connection to POS Creation Page(3 hours)
  - Student View and Advisor View CSS adjustment (3 hours)
  - Weekly Team Meetings (2 hours)
  - PIRM Meeting Powerpoint Meeting (1 hour)
  - Total: 21 hours

- Name: William Hunt
  - Finalized and merged POS controller to production (6 hours)
    - Implemented several code changes suggested by Sal during his review of the merge request
    - Full POS forms can now be saved to and retrieved from the backend database
  - Worked on preparing presentation materials (3 hours)
  - Troubleshooting database errors (2 hours)
    - Had to manually remove some stray entries left over from a previous design that were causing certain requests to fail
  - Planning designs for the next phase of backend development (2 hours)
  - Total: 13 hours

- Name: Carson Campbell
  - Full Team Meeting (2 hours)
  - Backend and other small meetings (2 hours)
  - PIRM Meeting Prep (3 hours)
  - Backend development continued design (2 hours)
  - Analysis of Frontend to determine remaining backend needs (3 hours)
  - Research additional backend features and planning for remaining time (2 hours)
  - Total: 14 hours

- Name: Noah Nickel
  - Working on Front-End features with Nathan (8 hours)
  - Compiling and Troubleshooting (4 hours)
  - Research for Front-End features (3 hours)
  - Total: 15 hours

Tasks planned for the upcoming week:
- Name: Saljooq Altaf
    - Creating some tests for CICD - pre deployment
    - Updating the Header UI - to use the same library as the rest of the app (conflicting ui looks bad on some phones and print view)
    - Still waiting for the okta team to get back

- Name: Nathan Marquardt
    - My goal for the next week after saving POS as well as connecting the Student and Advisor View to the backend. After this, I would look to start to work on any necessary documentation.

- Name: William Hunt
    - Work on implementing course database cross-referencing and POS validity checks
    - Finalize details of advisor-centric features we plan to implement

- Name: Carson Campbell
    - Focus on advisor/student specific backend features
    - Prepare and format good presentation methods for backend
    - Work with frontend to implement additional features
    - Explore the use cases of frontend and what they might need on the backend

- Name: Noah Nickel
    - Have a majority of Front-End features completed.
    - Finish the connection of the back-end and front-end before the PIRM meeting
    - Complete sending POS to advisor feature.

Pending Issues: ISU OKTA Integration

Individual Contributions:

NAME	Individual Contributions *(Quick list of contributions. This should be short.)*	Hours last two weeks	HOURS cumulative
Saljooq Altaf	Worked with the frontend team to enable roundtrip on some views. Also, created swagger ui and CICD pipeline for continuous deployment	23	149
Carson Campbell	Implement and push controller updates, aid in connections to frontend, prepare PIRM meeting materials	14	80
Noah Nickel	Front End Concepts, Researching Angular, Team presentation.	15	68
Nathan Marquardt	Meetings with Noah on POS Creation Page, Meeting with Sal and Noah on POS Creation Page Backend Connection, Student and Advisor View CSS, Team Meetings, PIRM Powerpoint Meeting	21	99
William Hunt	Pushed POS controller to production, worked on materials for presentations	13	82

Comments and extended discussion : N/A

Summary of weekly advisor meeting : Updated advisor on our current progress regarding the connection of backend and frontend, along with a demonstration of the product so far on the live website.