CPRE 492
Electronic POS Group 15
8/22/22 - 9/16/22

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 Developer
Carson Campbell: Backend/ Frontend/ Full Stack Developer
Noah Nickel: Backend/ Frontend/ Full Stack Developer

Bi-Weekly Report

Summary
Currently we are in the phase of working with prototypes on our local machines and trying out ideas and experimenting to set up the first project. We have a working backend and frontend apps that are talking to each other and authenticating requests with okta servers

Tasks done/time spent:
- Name: Saljooq Altaf
    - Create a basic Spring boot application that can talk to Okta server - to verify requests - at first locally
        - Experimented with okta for backend: 5 Hrs
        - Got a working springboot app with SSO auth : 2 Hrs
        - Worked to figure out how to replace deprecated methods: 5 Hrs
        - Re-did the security protocol to work with SPA (PKCE instead of SSO) : 3 Hrs
        - Total for working springboot backend => 15 Hrs
    - Make sure we have a working Single-Page Application - that is talking to Springboot backend and authenticating login with okta
        - Experimented with okta for frontend: 4Hrs
        - Worked out how to create an Angular App with PKCE auth: 3 Hrs
        - Enabled the Cors for the backend to enable it to work with SPA: 5 Hrs
        - Worked out how to allows requests to be disable host checks when deployed - it's needed for SPAs: 3 Hrs
        - Total for working Angular frontend => 15 Hrs
    - Total – 30 Hr

- Name: Nathan Marquardt
    - Troubleshoot with Sal on his Okta Server – 3 hours

- Okta Server Connection research – 2 hours
- Troubleshoot/Fix Credentials to connect to Sal's Server – 1 hour
- HTML Refresh Course – 3 hours
- CSS Refresh Course – 3 hours
- Read Team Documents – 1 hour
- Total: 13 hours

- Name: William Hunt
    - Studying/understanding the Okta prototype - 4 hours
    - Refreshing Angular/Spring skills - 2 hours
    - Total: 6 hours

- Name: Carson Campbell
    - Getting prototype running on machine - 2 hours
    - Research Okta and how it integrates - 3 hours
    - Development of Spring boot and Angular skills - 3 hours
    - Total: 8 hours
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- Name: Noah Nickel
    - Research Okta and how it integrates - 6 hours
    - Web courses on Spring boot and Angular skills to review - 10 hours
    - Total: 16 hours

Tasks planned for the upcoming week:
- Name: Saljooq Altaf
    - Need to deploy it on the main server
    - do debugging if necessary for deployment
    - test it for everyone's local machines
    - more research on crawlers and consuming their data on backend

- Name: Nathan Marquardt
    - See if further debugging/research is needed on Okta
    - Refresh my understanding of Angular
    - Possible meeting with Noah to discuss front-end ideas
    - Help with rough round-trip prototype

- Name: William Hunt
    - Study Okta authentication structure to further my understanding
    - Refresh my Spring knowledge
    - Begin the process of adding features to the prototype
    - Meet with team and decide on structural details for implementation

- Name: Carson Campbell
    - Figure out how to integrate new features into the prototype

- Meet with group to discuss prototype and how to move forward with it
- Test prototype to make sure it is working properly

- Name: Noah Nickel
    - Continue to look into Okta
    - Continue to refresh my Angular knowledge
    - Add features to the prototype.
    - Test prototype

Pending Issues: N/A

Individual Contributions:

NAME	Individual Contributions *(Quick list of contributions. This should be short.)*	Hours this week	HOURS cumulative
Saljooq Altaf	Setting up the backend and frontend with okta authentication	15	30
Carson Campbell	Setting up prototype on local machine and figuring out what to add for future functionality	8	14
Noah Nickel	Continue research and refresher courses for Okta and Angular.	8	16
Nathan Marquardt	Help with troubleshooting the connection to the Okta server for Mac OS Users. Also, I reviewed for front-end work that should start in the near future.	7	13
William Hunt	Set up and tested backend/frontend prototype on local machine	6	12

Comments and extended discussion :

Detailed discussion for plans to add the necessary feature for the e-POS pending

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. Also ironed out the schedule for future meetings.