



Jared Ham <hamjared5@gmail.com>

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## Welcome to CSE593

3 messages


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**Yinong Chen** <YINONG.CHEN@asu.edu>  
To: Jared Ham <jlham2@asu.edu>

Wed, Aug 10, 2022 at 11:30 AM

Welcome to CSE593.  
Please read the attached document.  
If you have not discussed with me of your initial project plan, please do so before the semester starts.  
Thank you!  
Yinong

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 **CSE593 Activity Schedule and Weights.pdf**  
126K

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**Jared Ham** <hamjared5@gmail.com>  
To: Yinong Chen <YINONG.CHEN@asu.edu>

Wed, Aug 17, 2022 at 5:06 PM

Dr Chen,

I briefly layed out a couple of project ideas to you a couple of weeks ago, and at this point I have settled on a project for this class. Here are the project details I have ironed out so far:

The goal is to develop a financial tool similar to [intuit mint](#). It will allow users to create budgets, track spending, and also would provide tools for financial planning. IE retirement and investment calculators. The user would be able to create their own categories for spending and saving and be able to add and import transactions. It should at a minimum support annual input of transactions and bath import of transactions from a CSV file. It should also support use by multiple users.

I will build the app utilizing a client-server architecture with the server being developed using java spring boot and the client will be a web based app built with React. It will also utilize a backend postgres database for data persistence.

The server and database will be deployed to [heroku](#) so they can be accessed over the internet from anywhere. I will also plan on doing something similar with the client but depending on the amount of modules that end up in the client, it may be too big to utilize a free instance of heroku. So I will investigate other options for deploying the client.

I will be using Github as my code repository and will be utilizing [ZenHub](#) for project planning. I have create a GitHub organization that can be accessed here publicly: [Grad-School-Final-Project](#) · [GitHub](#). It will end up containing at a minimum 2 repositories: 1 for the server and 1 for the client.

I am planning on using [KeyCloak](#) for user management and authentication. And will be utilizing docker to make setting up my development environment easier. At the moment I am just planning on running Postgres and Keycloak as docker containers which will be able to be easily and repeatably created by using a docker-compose setup.

Hopefully that is enough detail to get us through the Initial Discussion and planning portion of the class. If you have any additional questions, please let me know.

Thanks,  
Jared Ham  
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**Yinong Chen** <YINONG.CHEN@asu.edu>  
To: Jared Ham <hamjared5@gmail.com>

Wed, Aug 17, 2022 at 5:15 PM

Hello Jered

This is a good project for the course.

Please try to use SOA architecture and use RESTful services to implement different components.

Yinong

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