

# Project 6

## Colorado CSCI 5448 - OOAD

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### **Title: Net Banking Simulator**

#### **Work progress:**

Shreyash Shreepad Sarnayak:

- Initial setup for frontend
- Created controllers in spring backend
- Created service implementations in the spring backend.
- Created repositories classes for querying the database

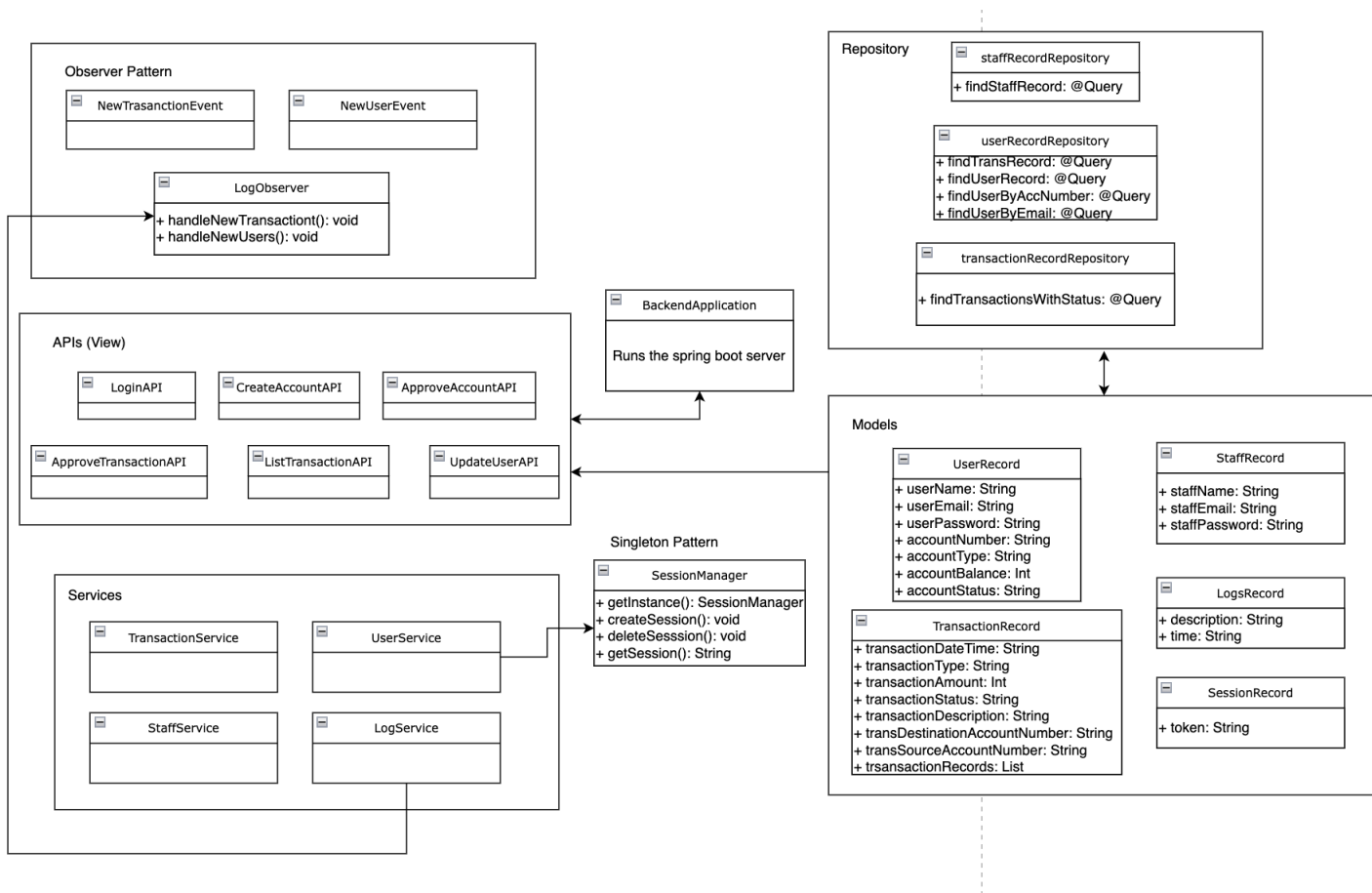
Puneeth Gante Hanumappa:

- MongoDB setup and sharing config details
- Backend project setup in git and trello cards for project progress
- Created database collections in spring under models
- Created repositories classes for querying the database

We faced initial challenges in setting up the mongoDb and its connection with the backend as the tech stack was new. Debugging and tracking the logs helped us to resolve most of the issues. Some changes incorporated compared to the initial design phase were with the collection creation and the entries present in the database, we noticed that we needed to introduce a few extra variables to enhance security and proper data querying calls.

As of now, we have implemented observer and singleton design patterns in our project. An observer pattern is mainly needed for maintaining the logs, as it will help in showing the information required by the staff to handle admin operations. We have used singleton pattern for the session manager as there should be only one session for the application.

## UML Class Diagram:



## Plans for next iteration:

- Integrating frontend
- Implementing remaining design patterns as addressed in Project 5 which are strategy and command patterns.
- Backend complete service logic and additional APIs.