

Learning Curve

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Implemented features

- Our project features a home page where you can either create or join a room! Once in a room you will be able to see a default card with a slider on it. The host of the room can change the question that relates to the slider. The host cannot move the slider themselves. The guests in the room can move their slider, and the host will see the average of everyone's slider.
- Anyone can add their own card by clicking the button on the top right of the screen. You can give your card a title, and a body. The adding card feature is still in a beta version, because you will not see cards that were added to the room prior to you joining it.
- We also have a nice svg that is drawn when you go to our website! (It's super nice)

Features not implemented

- We were going to implement 3 types of addable cards; questions, polls, and comments. However, we only got around to adding the comment card.
- We did not implement the database mainly due to time constraints. Furthermore, the database does not add a huge amount of functionality, and there were more pertinent features.
- We did not add the ability to delete cards. The infrastructure for this feature would be cumbersome, and we wanted to focus our time on more pertinent features.

Our project did not change in any major way from project 5 and 6. The core functionality of our application was implemented well. This includes room creation and joining ability, the teacher's question scale feature, as well as the ability for each user to create their own question card. The additional features like polls and comments cards were bells and whistles that we were not able to implement at this time. Hopefully they will be seen in the future of this application!

3. Final Class Diagram and Comparison Statement

Not much changed in our diagrams between what we submitted for Project 6 while the changes from Project 5 may be more stark. Many of the key changes that occurred were due to time limiting our scope and our discovery of Angular's many features that made parts of our diagram redundant. For instance, a card factory wasn't necessarily needed due to Angular's structural directives which made rendering them automated.

4. Third-Party Code Statement

To complete this project we relied heavily on the angular developer docs. We also used the rxjs docs, and the socket.io docs. For usage of StackOverflow or other similar websites, we commented links into the code.

<https://angular.io/docs>

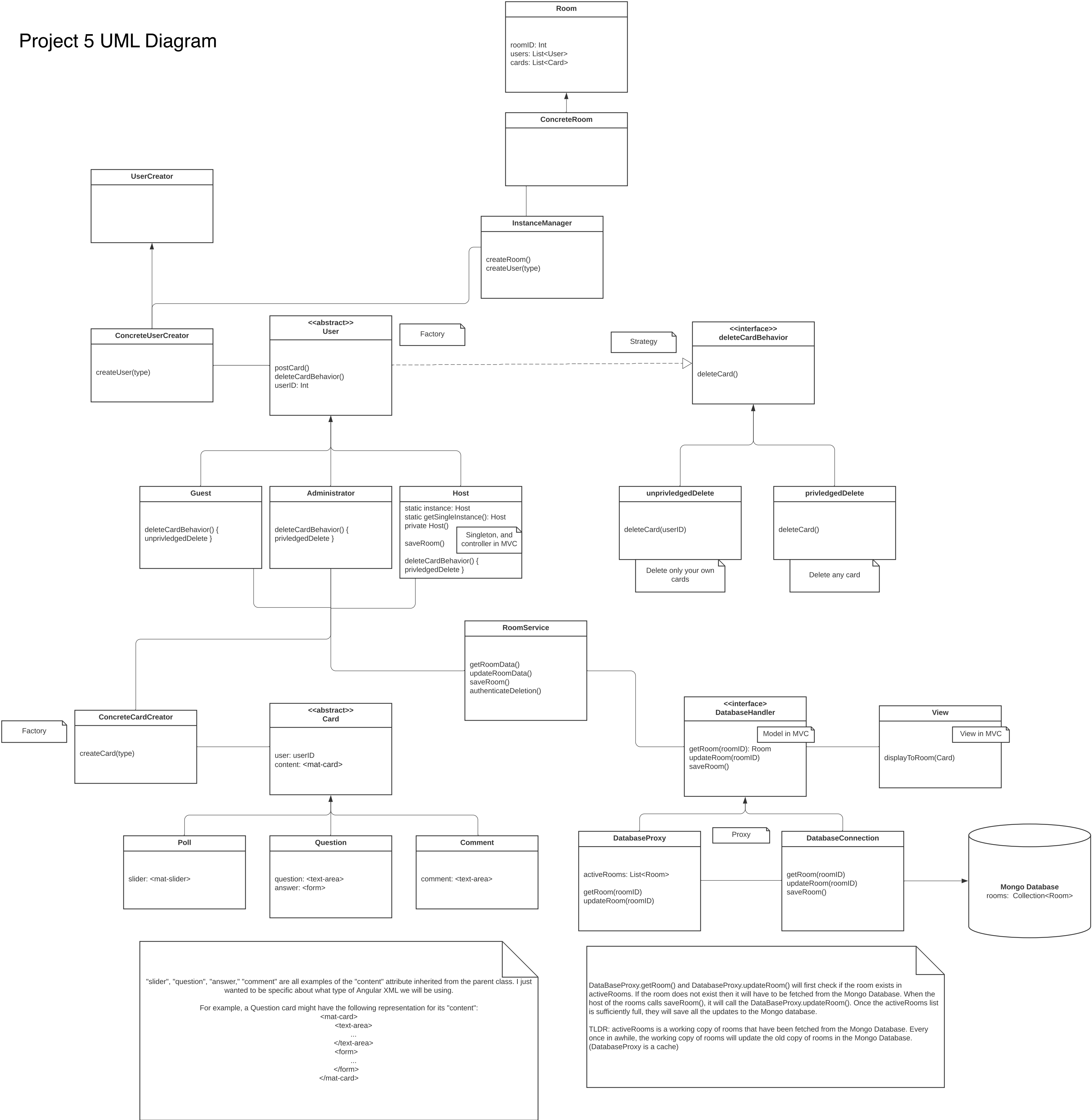
<https://rxjs.dev/api>

<https://socket.io/docs/v4/>

5. Statement on the OOAD process for your overall Semester Project

The key OOAD design principles in our semester project were: diagramming before coding, building code modularly, and using design patterns. For diagramming, we created a UML diagram at each stage of the project, as well as an architecture diagram before starting on any actual code. For building code modularly, we focused on key takeaways from the class. For example, assuring that each of our objects and methods had a single purpose to the best of our ability.

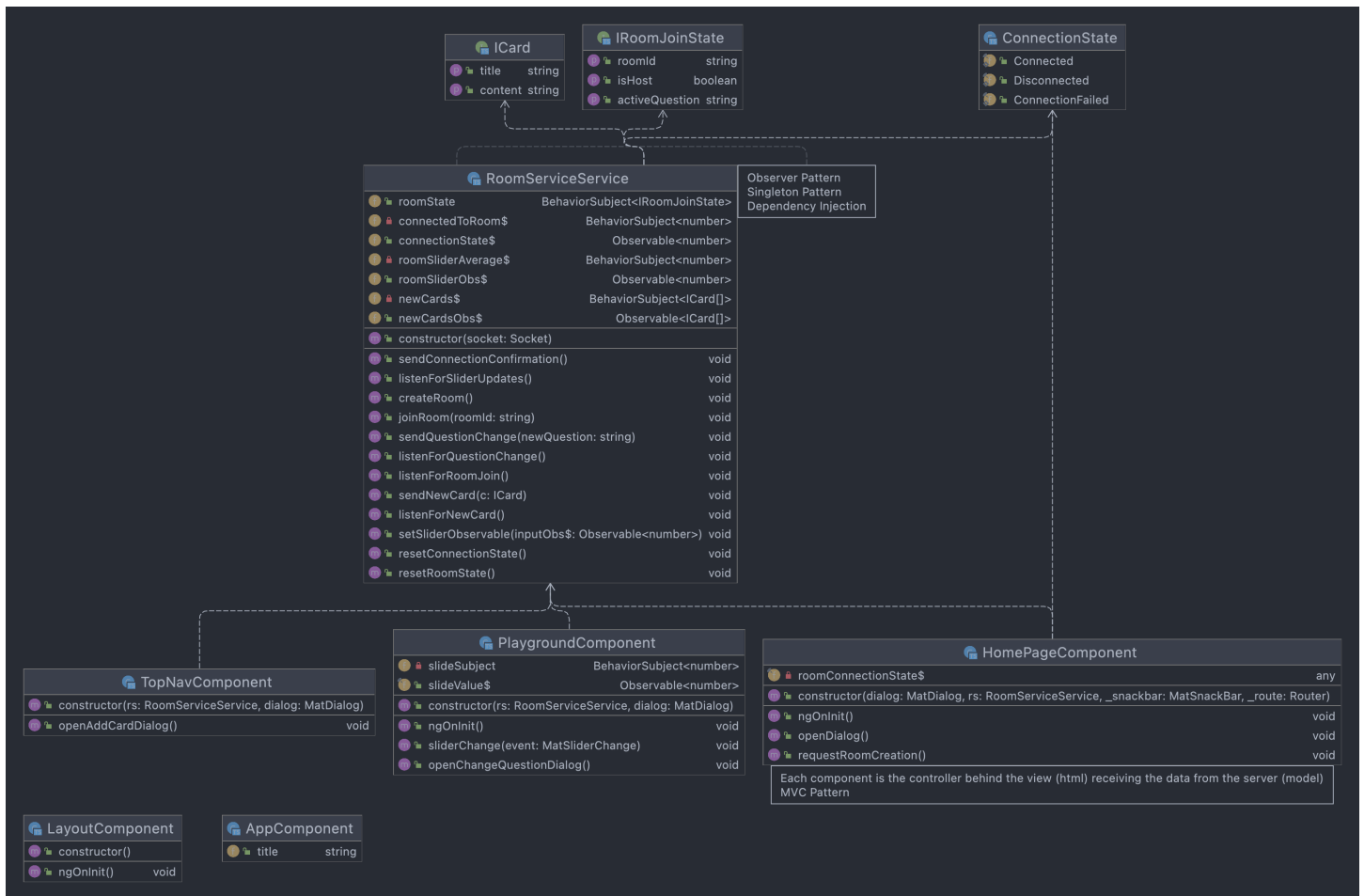
Project 5 UML Diagram



Final Client

UML

Diagram



Final Server

UML

Diagram

