Alpha Wolf Squadron (AWS)

Project Flow

* Created the EER Diagram in MySQL Workbench
  + Originally worked through the logic of the database table for getting reservations
    - Later added reservations
  + Generated the SQL script to create the database
  + Loaded sample data into the database

(because we were never given actual data @Garret Chang)

using SQL code

* Created the initial framework for the website in Angular 7
  + Created a new Angular project
  + Generated all of the necessary components for the project
  + Created the basic layout through html and CSS
    - By hand (@The Rest of the Class)
      * (\*cough\* \*cough\* Templates \*cough\* \*cough\*)
        + (Ctrl, Ctrl, Ctrl, Ctrl)
  + Created the routing for the pages through Angular routing
* Creation of the back-end through expressJs
  + Used expressJs to
* Connected the front-end and the backend through Angular Services

Problems

Our biggest problem was that we’ve never worked with Angular before, so the learning curve with typescript made it difficult for us to do certain things. We had difficulty getting the information from the back-end to display in our tables due to our lack of typescript knowledge.

We also had a problem with authentication while trying to connect to the database; because of our lack of knowledge in web development, we ran into a rabbit-hole of possible solutions, when it was a simple fix.

Again, from our lack of knowledge in web development, we had a lot of design changes, even coming down to the last week when we had to scrap what we had and start over from the beginning.

We struggled to meet together to work on the project as we are graduating seniors and were all applying to and interviewing at companies all semester and were finishing and presenting multi-year research projects. This hindered the amount of time we were able to dedicate to perfecting the code and working out bugs.

We focused more heavily on the database itself than on the website, which lead to time-related issues when learning how to create the website and learning how to get the website to communicate with the database.

Contributions

Alec

* Helped design the database
* Connection to the database
  + Get and Post to get data from the database and send it to the front-end
* Helped connect the front-end with the back-end

Alex

* Helped design the database
* Worked on the creation of the Angular framework
* Helped in the creation of the view
* Helped with the documentation

Garrett

* Helped with the connection of the database
* Made models to be used for the view
* Helped with the documentation

Jharenson

* Worked on the creation of the Angular framework
* Helped in the creation of the view
* Created models for the view
* Helped connect the front-end with the back-end