We had a really great time working on this project! Implementing it was a lot of fun, and we're pretty pleased with the final product. Hopefully, we can add a few more features, polish the code, and try getting students to actually use the application at the beginning of next semester.

Areas in which we did well:
We did a good job getting our assigned tasks done. By specifying clearly how the frontend and backend worked together, we were able to start work on both in parallel towards each other. The model schema and frontend templates were written at the same time, and as the API routes got written the client code for making the calls was written as well.

Areas in which we could do better:

While we did a good job assigning tasks to different people, we sometimes focused too much on the individual features we were working on. This made it hard to understand code written by other people when it was necessary, either to search for a potential bug or see which modules/functions we needed to use. We also changed the color scheme too many times and focused on little features a bit too much, although being detail-oriented was also beneficial in some ways. In the end we changed a couple of big features we had originally planned to do, but we were happy with the state of the rest of the features.

Kimberli's Reviews

- **Akshay:** Kimberli has made extremely useful contributions to the project, from writing almost all the model code to patching up styling issues and adding UX-enhancing features. Being very well-versed in front-end development, she did a great job in addressing problems I had when implementing the session page. She makes sure the implementation is seamless, from ensuring mobile-responsiveness to speeding up server-side code — she doesn't settle for anything but the best. However, I do think she could work on explaining the changes she makes, especially when working on features primarily written by other people.
- **Kim:** I really enjoyed working with the team. Although I've had experience working on web projects with teams before, I still gained valuable experience with new technologies and generally solidified my understanding about web development. This project was a great way to reinforce concepts we learned in class and apply them in a practical setting. I do wish that we had thought out our idea more and maybe worked on something that solves a very pressing problem for individuals. As always, I hope to be more communicative in working on future team software projects--there's always room for improving openness.
- **Alex:** Kimberli has done a wonderful job. She continued to remind us to write clean code and to maintain good documentation. She had really good insight into reworking the model code and dependencies and used her design skills to add style to our UI and

made it more responsive. One suggestion is that when she identifies areas for change, she could explain how she plans to fix the issue.
- **Vahid:** Kimberli was diligent in her work on the project and helped the team keep on track with code style and quality by taking initiative on things like the README and Github issues. She also did fantastic work with debugging and polishing a variety of features and provided good feedback on others' work. In terms of improvement, she could sometimes be more clear about the work she's doing and run ideas by others before implementing.

Alex's Reviews

- **Akshay:** Alex's thoroughness and diligence have been extremely helpful throughout this project — he writes very detailed notes, helped code-review, and implemented several model and front-end features, especially relating to the profile and home pages. For example, he wrote a very extensive, detailed UI-testing document, surfacing several unnoticed problems with the code — this was invaluable in patching up bugs as the deadline approached. He also woke me up so I wouldn't miss the demos ;). One tip for Alex is that in the future, he tries to take a more active role in claiming and implementing features end-to-end.
- **Kim:** Alex was very thorough and diligent, contributing a lot to refining the functionality of our app and finding security issues. His UI testing document was solid and invaluable for helping us catch bugs and make sure every feature was working as intended. The features he added to the app worked exactly as intended, and I hope he had fun learning Angular in the process. He took great notes at meetings and was helpful at keeping us on track and organized for the project. He could work on being more proactive in taking on development work, although I think that he did improve on this after our previous feedback.
- **Alex:** I have really enjoyed working on the project with Kimberli, Vahid, and Akshay, and going through the whole process of designing, coding, and testing. I was able to become more experienced with Angular and used it to display real data on the user home and profile pages. I also gained familiarity with connecting front-end and back-end when working on the subscription feature. Additionally, I saw the value of UI testing, as it helped us find some issues with user authentication and other bugs with frontend functionality.
- **Vahid:** Alex was especially organized in his documentation and covered some key features on the profile and home pages. He did a fabulous job with UI testing and pointed out several important bugs. He covered points in discussion that would have otherwise been missed and did a good job learning about what other people on the team were working on. One thing for the future for Alex is to look at contribute more ideas for expanding or improving features.

Vahid's Reviews

- **Akshay:** Vahid has made very valuable contributions to the project — most notably (teehee) related to deployment, authentication, security, and consistency in the server-side code. He also helped implement several useful front-end features and brought a unique perspective to tackling design problems and potential enhancements. One suggestion is that Vahid works on being more communicative about what he's working on and what he's added — this makes it easier to avoid merge conflicts and dependency issues in running newer versions of the code.
- **Kim:** Vahid is a thoughtful team member and is a great person to bounce ideas off of. He is very knowledgeable about lots of different parts of development, and his gulp integration really helped us streamline development. When asked directly about his opinions he gives thought-out responses, although he could improve by more actively voicing his ideas and feedback. I'm impressed that he was able to manage working on this project given that he had two other class projects, and I'm very grateful for his help in debugging features I worked on.
- **Alex:** Vahid has been very helpful. He helped our team think about design decisions and added front-end features that improved the overall user experience. Additionally, he worked on user authentication, protected against some security issues, and deployed the app. One suggestion is that he speaks up a little bit more, since the team could really benefit from his good ideas, since he often catches things we overlook.
- **Vahid:** As before I'm really happy with how the project progressed. I think everyone on the team had a noticeable and positive impact on the project and it is great to see how it all fits together as one app. I especially enjoyed seeing the whole thing get incrementally better as people came up with new ideas or completed major parts of the website. I think I could have improved by taking on more essential parts of the project rather than making small additions, as well as planning and communicating my work in distinct chunks. All in all I really enjoyed working with the team and am glad we accomplished what we did!

Akshay's Reviews

- **Akshay:** I thoroughly enjoyed working on this project and with Kim, Vahid, and Alex — in particular, I loved working on the session page and making sure the features were as rich as I could make them! I learned a lot throughout this project, from specific JavaScript frameworks (especially socket.io) to collaborative code-writing in general! I do think I could still work on my code-style, especially when pushing to a shared repo; I've gotten more familiar with good conventions and hope to actively implement these in the future. Specific to implementation, I think I need more experience working with async-related problems; this led to several bugs that didn't surface until we pushed to Heroku.
- **Kim:** Akshay did an amazing job making the session page his pet project and adding big and little features to make the product's overall user experience great. He did a great job with adding real-time socket communication, editor features, and cute animations, and I'm definitely happy with his dedication to making the project great. He also improved his code quality and documentation after the last checkpoint which was important when we

were all making the final push to completing the project. One suggestion is that he slow down sometimes and be more transparent about his implementation (by writing good code and documentation early on) so that other people can contribute more easily to the project.

- **Alex:** Akshay has done awesome work. He worked on a lot of the front-end, and did a great job getting sessions and the tracking of active users to work in real time using sockets. Additionally, he put a lot of attention and detail into creating the rich markdown editor. One suggestion is that he could be a little bit more consistent with documentation and code style.
- **Vahid:** Akshay was as before extremely dedicated to the project and was very good at communicating what he was working on, new feature ideas, and what bugs he was finding in the website. He spent a lot of time on the session page trying to debug async issues and did a good job asking for help after being stuck a while. He really moved the project forward a lot by generating good ideas and implementing quickly, but perhaps one area to work in is to maybe find a balance between that and writing documented and scalable code.