MVP Reflection

Pencil Me In

Rebecca Corcillo | Kwame Efah | Abraham Quintero | Caroline Chin

Peer review Constructive but candid evaluations of teammate performance
- **Feedback for Rebecca**
    - Kwame
        - Teamwork
            - You came up with great places for us to work in like your room in SH and in the media lab.
            - It was great how you were always willing to come meet the rest of us on our hall for team meetings.
        - Technical:
            - Wrote extremely comprehensive unit tests.
            - I think it would be helpful to try not to become pigeonholed in one specific part of the app.
            - Your drawings for the website and design document were really well done.
    - Abraham
        - Teamwork:
            - I think you did a great job at welcoming us into Senior House and made it a good place to work during a stressful time.
            - I didn't like that no one else understood your part of the code, although that was maybe unavoidable.
            - I think that it would have helped you and Caroline to agree on the interface that Availabilities/User exposed before Caroline wrote a lot of her code.
        - Technical:
            - I really liked how thoroughly tested your code was.
            - I think that we really need to refactor some of the code in Availabilities to make it more readable and to get someone else who also understands it.
            - I think you could have been better at merging changes into the master project incrementally so that we didn't have the interface bugs that ended up occurring.
    - Caroline
        - Teamwork
            - I liked how you continued to work hard on the wire frames on the design document even when the rest of the team was extremely stressed out

- You were very helpful when explaining your code and adding functionality when I was trying to use code that you wrote
    - Technical
        - I appreciate how you wrote good tests and documentation for your code--it made it easier to be confident that there were no bugs
        - We could have discussed the method signature for Availabilities a little more in depth beforehand so that merging our code would have been done smoothly

- **Feedback for Kwame**
    - Abraham
        - Teamwork
            - I think that you did a great job at putting in a lot of effort into the project and always being there on time.
            - I liked that you created the barebones application early so that we could all start working.
            - I think that you could have handled some of the end game stress a little better.
        - Technical
            - I liked that the google authentication worked early in the project so that we were less concerned about the technical risks of doing google authentication.
            - I think that you should be more careful with using strings that are baked into the app. Maybe we should come up with a global config file so that we are less susceptible to bugs that are caused by using incorrect strings in database key lookups.
            - Solid Git experience that helped us many times.
    - Rebecca
        - Teamwork
            - Helped me a lot in figuring out things I misunderstood about asynchronous database stuff so I was able to go on and do a lot of complicated stuff myself
            - Helping me debug saved me so much time and allowed me to be more productive/effective in the future
        - Technical
            - Make sure to test/read up on 3rd party API to prevent unforeseen bugs
            - More unit testing would be good
            - You did a really good job of figuring out the google authentication and calendar APIs, which is a huge part of our app
    - Caroline
        - Teamwork

- You were extremely helpful with helping to debug my code, especially with using the google calendar API
- I really appreciate the time and effort you put into into making this MVP work
  - Technical
    - While the data validation in the front end works really well, I think your time would have been better spent working more on the back end code when that part of the code wasn't up to speed
    - You did a great job with getting everything set up with the boilerplate code so that the rest of us could start working on the code when we were ready
    - In the future, try to merge with master more often when your code works, so that we can all be synced.
- **Feedback for Abraham**
  - Kwame
    - Teamwork
      - It would be helpful if you could be more accessible. Sometimes, we had difficulty figuring out where you were.
      - I appreciated how you would bring snacks and food to team meetings
    - Technical
      - I think you could have spent less time on getting the server to work because just using heroku from the onset could have reduced the time it took us to complete the MVP.
      - You did a great job with the front page, but I think you ended up spending a disproportionate amount of time on the UI and About Page.
      - You worked very hard to find and fix the last bugs we had despite running on basically no sleep
  - Caroline
    - Teamwork
      - It was great how you stayed positive when the team was under a lot of pressure
      - Encouraging us to divide up work in the beginning of the project so that the rest of us were able to work on the code independently
    - Technical
      - It was helpful to have the server set up, but it would have been a better use of your time to work on the MVP first
      - The home page looks really good, but as with the previous comment, your time may have been better spent working on the functionality of our MVP
  - Rebecca
    - Teamwork

- Literally didn't even have JSLint installed this whole time even though he wouldn't stop yelling at us to install it
- Put in so much work despite having 2 other group final projects going on and running on very little sleep
  - Technical
    - Make sure to test/read up on 3rd party API to prevent unforeseen bugs
    - Know the difference between JSLint and JSHint
    - Setting up the website/server was super helpful in giving us a place to put our code and start the app
    - You worked very hard to find and fix the last bugs we had despite running on basically no sleep
- **Feedback for Caroline**
  - Kwame
    - Teamwork
      - Thanks for making your room available as the PencilMeIn office
      - You kept a lot of us on track when we would get distracted in the middle of the night.
      - You did a great job of leading the team planning and design document effort.
    - Technical
      - You should remember to make sure that your code changes haven't broken the website before pushing changes to the repo
      - Some of your routes had too much code in them so were hard to understand. It would be more helpful if we could refactor some of them by defining helper functions in the routes.
      - You should remember to document your code (gCalAvaillability).
  - Abraham
    - Teamwork:
      - I think you did a good job keeping us up to date on deadlines
      - Please install jshint2 so that we can keep our code up to the same standards and guard against easy bugs.
      - I think that it would have helped you and Rebecca to agree on the interface that Availabilities/User exposed before Caroline wrote a lot of her code.
      - I liked that you were able to make your code interface well with my front end code.
      - I don't think that you asked for enough help and that you should be quicker to ask for help.
    - Technical:
      - I think you need to document your code better and also make it more readable.
  - Rebecca

- - ■ Teamwork
        - Super helpful for team organization and planning
        - Helpful in talking out data models/ design before coding started
      - ■ Technical
        - More unit testing for your model parts would be good
        - Did a good job of hooking up code that was worked on by different people (including herself) and helped orient me so I knew how to help
        - Remember to use semicolons

Evaluation- Evaluation of project from team planning perspective
- Things that went well
  - Initial division of work
  - Coding together (in same room) for majority of time
  - Code reviewing using github pull requests
- **Lessons Learned** - Summary of key lessons learned
  - For the MVP, it's a better use of time to focus on key functionality rather than beautifying the front-end.
  - Unit testing the model code early on rather than towards the end helped us to catch bugs and ensure code quality.
  - Limit the number of third-party APIs used in the app since they usually take a significant amount of time to set up and get comfortable with.
  - Logging data during code execution helped us fix most of our bugs towards the end (Winston API)
  - All team members should install JSLint
  - Get some way to test our routes and the logic behind them.
  - We should work on feature branches that get merged to master often
    - This stops people from holding stale code.
    - Helps us better code review and test small pieces of functionality.
  - Code review
    - The author should talk through the code with the reviewer to ensure that both parties are on the same page and fully understand what is being committed
  - Method Signatures and Documentation for public methods
    - Include example input and output in comments
    - Have clearer/explicit specs for function inputs/outputs in comments