

Rook Shaw  
Cloud and Crypto  
Final Reflection  
May 15, 2024

## Final Reflection Paper

I thought this final was going to be easy peasy, lemon squeezy; I found out, post-haste, that it would prove to be quite lemon difficult. The reasons for this will become evident throughout this paper.

One of the aspects that took longer than I expected was the Angular front end. For both client projects, I worked almost solely on iOS. That being the case, I am much more well versed in SwiftUI. I had some issues with the Angular front end, and building it took a while. There are still a few bugs in the area. When the administrator deletes a booking they must refresh the page for the booking to actually disappear. I could not figure out why this is the case, however, it *does* work, so I elected to leave it, because I was in burn out mode by then.

Another problem I had in this project is actually in the iOS portion. I used a date picker. This is a tool we weren't taught about in class, so I had to use Apple developer tutorials to build it. It works, however, it does not properly interface with the database. This is because the date for the database needs to be formatted like so: YYYY-MM-DD. The date picker in SwiftUI is formatted, by default: MM-DD-YYYY. This causes some communication issues. I hopped back on Apple developer and found a tutorial for formatting date pickers, unfortunately, I was not able to effectively implement this code.

I would have liked to make this project look a lot better. In an effort to not put the carriage before the horse, I spent very little time on the design of this project. My focus was entirely on functionality. If I could do it again, I would definitely make it look much nicer.

One thing I learned in this project is that ID's are very important on databases. When creating my initial booking deletion function(which I nixed, eventually) I was trying to search bookings based on dates, and was obviously coming up with multiple results, instead of just one.

As far as areas I'd like to study more, I would definitely like to spend more time in the future on Angular. I felt very ill-equipped when building it, and Honestly it felt like a fever dream.