Sprint 3 Report
Video Link: https://www.youtube.com/watch?v=zgSbFG7SJs4

What's New (User Facing)
* Login/registration for students
* Admin view: view all items + approve requests (room, furnishing, and maintenance)
* Student view: Full sign in features (move in date → room browsing (filtering) → preference selection → form submission)
* Student View: view room assignment + applications
* Student view: create maintenance and furnishing requests
* Student view: UI modifications for easier user

Work Summary (Developer Facing)
* Cloud SQL server
* Larger testing dataset
* Automatic maintenance ticket assignment

Incomplete Issues/User Stories
* Booking history: need to create admin view to see all booking histories in an organized way (current way exists but is not organized)
* Maintenance worker view: need to create view for maintenance workers to view maintenance tickets and mark as complete
* Filtering options for buildings: attributes to sort on exist but there is no view to do so

Completed Issues/User Stories
Here are links to the issues that we completed in this sprint:
* [student view: current assignment (and maintenance request), room booking applications, · Issue #30 · Jacawb/CPTS_451-Project](#)
* [roommate matching · Issue #29 · Jacawb/CPTS_451-Project](#)
* [User Roles & user permissions · Issue #27 · Jacawb/CPTS_451-Project](#)
* [Filter Functionality · Issue #26 · Jacawb/CPTS_451-Project](#)
* [Admin Room Booking Management · Issue #23 · Jacawb/CPTS_451-Project](#)
* [Rendering application html pages using database input · Issue #22 · Jacawb/CPTS_451-Project](#)
* [Room booking button · Issue #19 · Jacawb/CPTS_451-Project](#)
* [Jacawb/CPTS_451-Project](#)

Code Files for Review
Please review the following code files, which were actively developed during this sprint, for quality:
[CPTS_451-Project/RoomBooking/RoomBookingWebsite at main · Jacawb/CPTS_451-Project](#)
[CPTS_451-Project/RoomBooking/RoomBooking at main · Jacawb/CPTS_451-Project](#)
[CPTS_451-Project/RoomBooking/applicationPortal at main · Jacawb/CPTS_451-Project](#)

[CPTS_451-Project/RoomBooking/loginPortal at main · Jacawb/CPTS_451-Project](#)

Retrospective Summary
Here's what went well:
*Implemented smooth authentication and data flow across the application
*Successfully set up and tested the Cloud SQL server with large datasets
*Completed the full room booking and roommate selection process for students

#Here's what we'd like to improve:
* No maintenance worker access: create new maintenance worker view
* No booking history : create new models + admin view
* No filtering options for building: create new filter buttons + indexes for building

#Future Prospect:
*Automatic Roommate Matching Algorithm.
*Mobile App Integration.