

Project: Room Reservation

Team Name: 404 Room Not Found

Webpage Name: R<sup>2</sup>

Team Members:

Amy Hughes  
Anthony Voneiff  
Estee Tey  
Gionnieve Lim  
Kim Nguyen

## Team Roles and Rotation Schedule

12/31 - 1/2

Scrum Master: Anthony Voneiff  
Project Owner: Amy Hughes  
Developers: Jordon Moore  
Kim Nguyen  
Estee Tey  
Gionnieve Lim

1/3 - 1/4

Scrum Master: Jordon Moore  
Project Owner: Gionnieve Lim  
Developers: Kim Nguyen  
Estee Tey  
Amy Hughes  
Anthony Voneiff

1/7 - 1/8

Scrum Master: Kim Nguyen  
Project Owner: Estee Tey  
Developers: Amy Hughes  
Anthony Voneiff  
Jordon Moore  
Gionnieve Lim

1/9 - 1/11

Scrum Master: Estee Tey  
Project Owner: Anthony Voneiff  
Developers: Amy Hughes  
Jordon Moore  
Gionnieve Lim  
Kim Nguyen

## Customer Meeting

- December 31, 2018 at 2:30 pm in Think Tank 17
- January 3, 2019 at 3:30 pm in Think Tank 17

## **Summary**

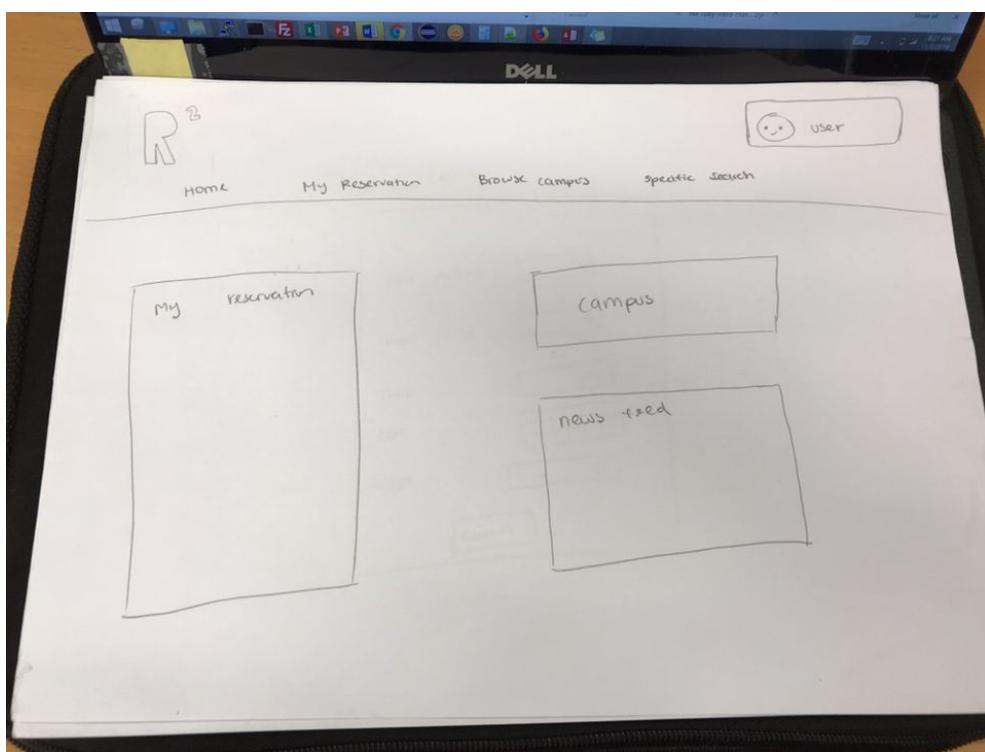
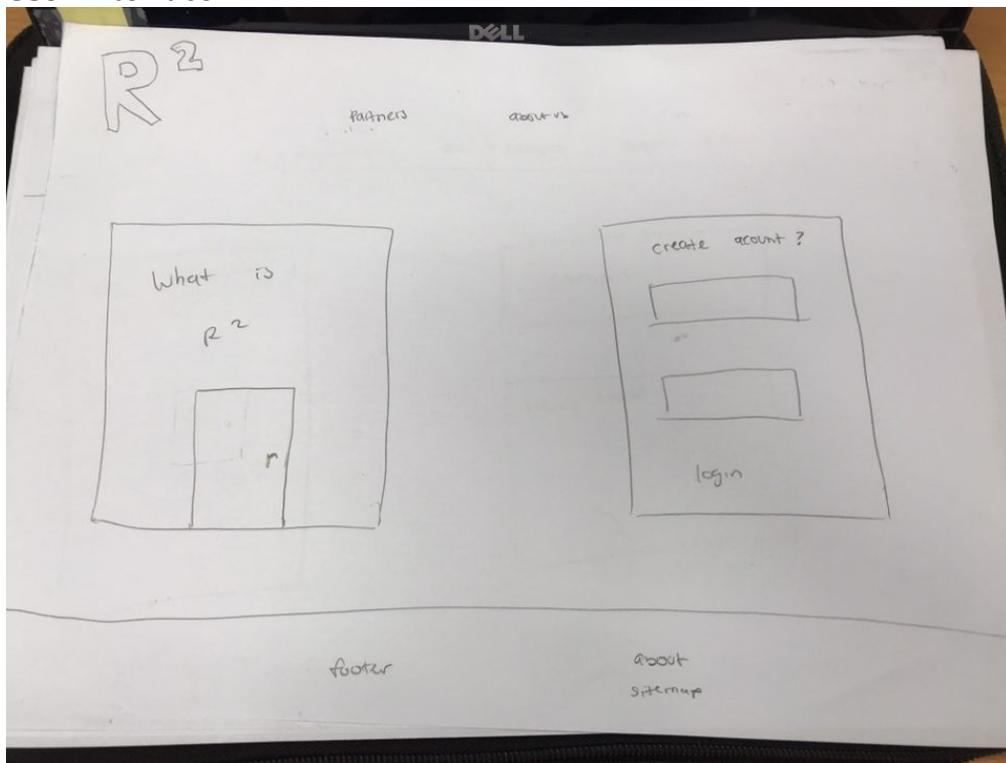
Our client has asked us to create a room reservation system that is convertible for the need of the final user. For demonstration purposes he has asked us to make a room reservation system for the Computer Science/Computer Engineering department at Texas A&M University. The stakeholders for our project are the students and faculty in the Computer Science department. Our client wants our webpage to be able to do a few core features. He wants us to be able to use 3<sup>rd</sup> party authentication for access to the reservation systems. The authentication system should only allow the user to book rooms they are qualified to reserve. For example a student can't book a room that is designated as a faculty room. The webpage should also allow the user to search rooms based on the room size, number of seats, capacity limit, technology in the room, and time and date the room is needed. Our webpage should display the user's upcoming reservation information with an option to cancel the reservation. After the core features are implemented we need to make sure that when the user is booking rooms, there is a feature to hide the reason for the booking hidden from all users except the administrator and the person making the reservation. The administrator should also be able to add and delete rooms, and have the ability to change someone's reservation if the room is needed for a higher priority. The webpage should also display hours of operation of each room and the max time a user is allowed to reserve that particular room. The system should reject any requests if the room is already reserved, if the max time allowed is reached, or if the room is closed.

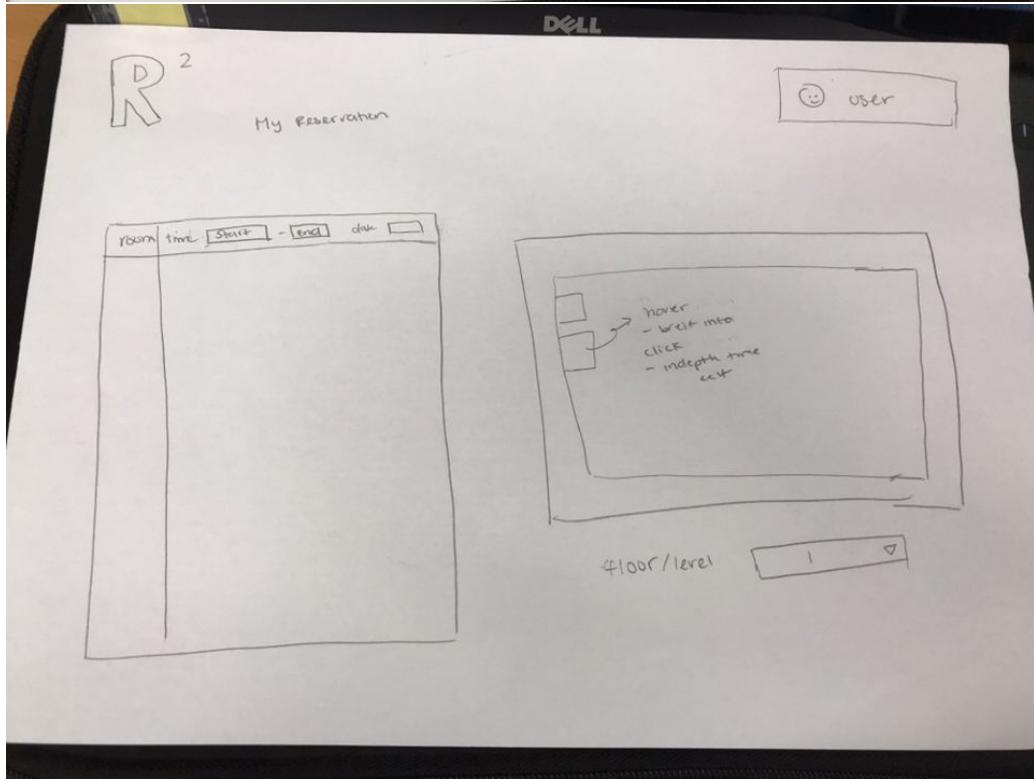
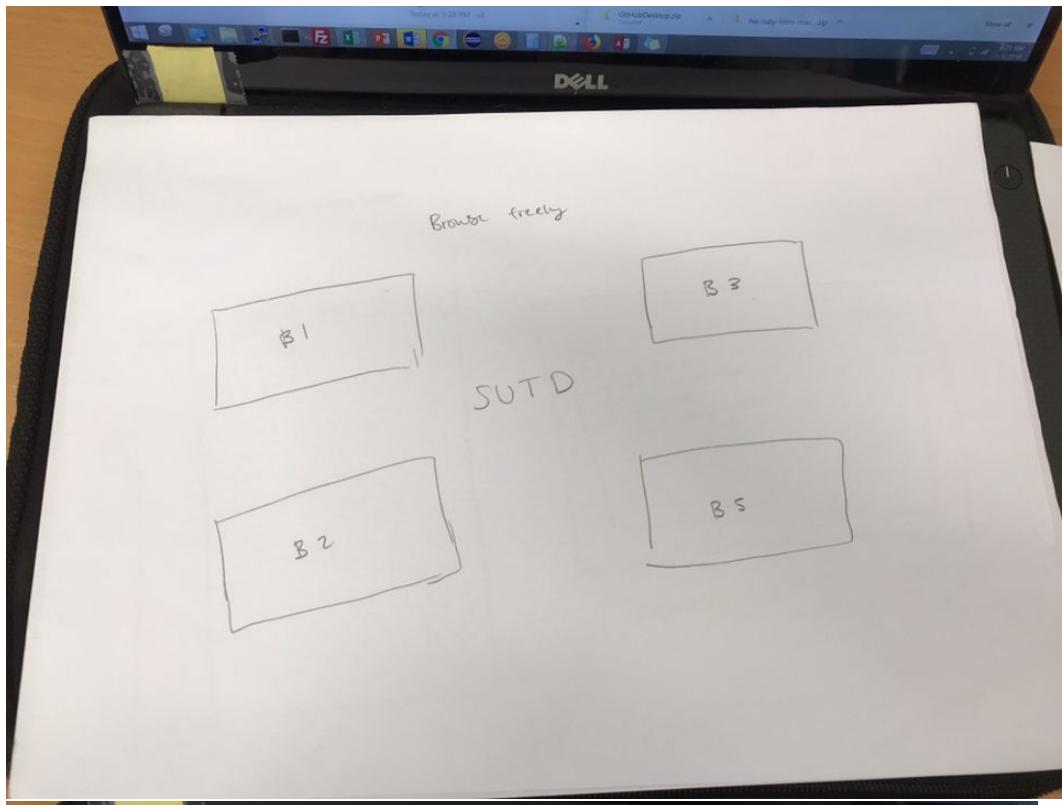
Our application will meet all the needs of the client. The application will have a third party login that will automatically set the authentication for which rooms the user is allowed to book. After verification our home screen will display the users upcoming reservations and gives them two different ways to find a room to book. The first way to book a room is a specific search. The user will be able to input the room size, number of seats, capacity limit, technology in the room, and time and date the room is needed. The application will take in all this information and will return a list of all available rooms the user is allowed to book fitting the criteria inputted. The user can also choose to browse freely by picking a specific building. Our application will list the room details of each room as the user hovers over each room on the floor plan of the building they chose. After a room is booked the user can go to the 'My Reservation' section and cancel the booking at any time. The user's booking information will be hidden from everyone when the privacy option is checked with the exception of the administrator. The administrator gets extra abilities that other users do not have. The administrator can add and delete rooms, see all details of everyone's bookings, and cancel a user booking if the room is needed for a higher priority.

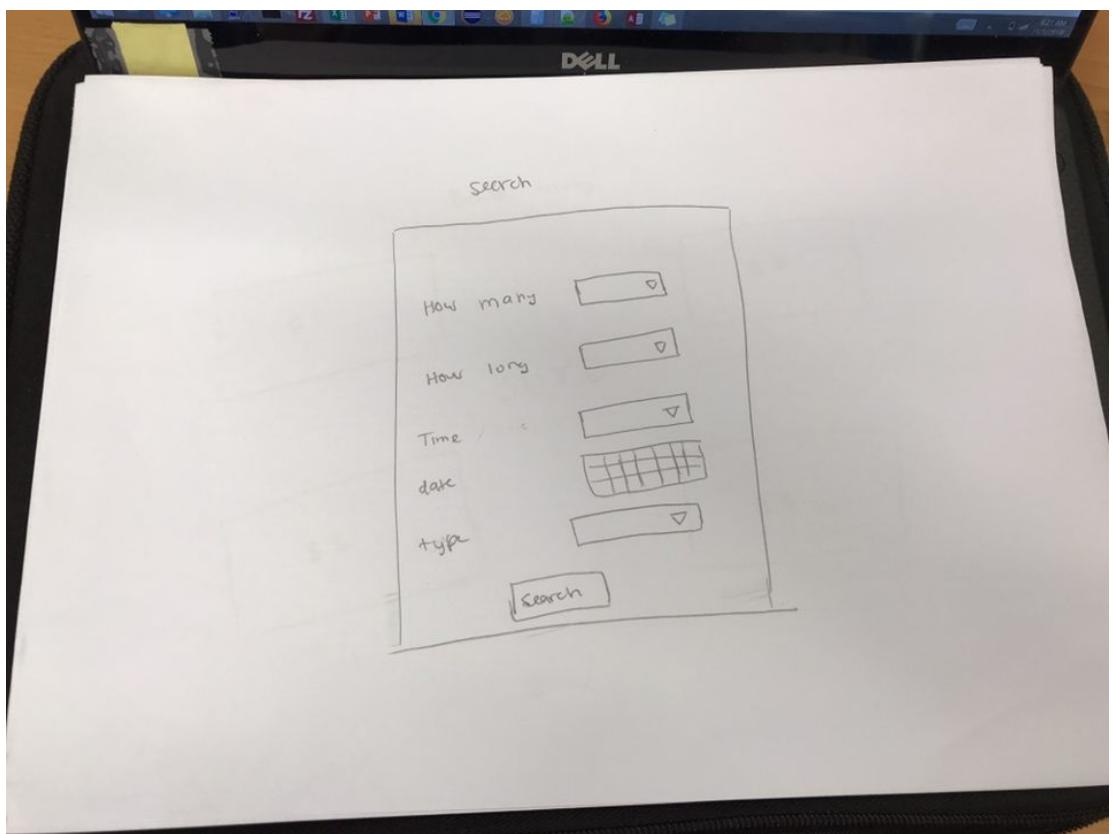
## User Stories

- 1) Feature: Log in
  - As a user
  - So that I can use my Google account
  - I want to login in with a third party
- 2) Feature: Search for a Room
  - As a user
  - So that I can specifically search for a room
  - I want to look for exactly what I need in my room
- 3) Feature: Book a Room
  - As a user
  - So that I can reserve a room
  - I want to book a room to study
- 4) Feature: Add Rooms
  - As an administrator
  - So that I can add a room
  - I want to add a new room that is open for booking
- 5) Feature: Delete Rooms
  - As an administrator
  - So that I can delete a room
  - I want to delete a room that can no longer be reserved
- 6) Feature: See Upcoming Reservations
  - As a user
  - So I can easily see my reserved rooms
  - I want to visually see my rooms without having to click through sub menus or user account info
- 7) Feature: Cancel a Room Reservation
  - As a user
  - So that I can cancel reservations
  - I want to cancel my reservation because I have a conflict

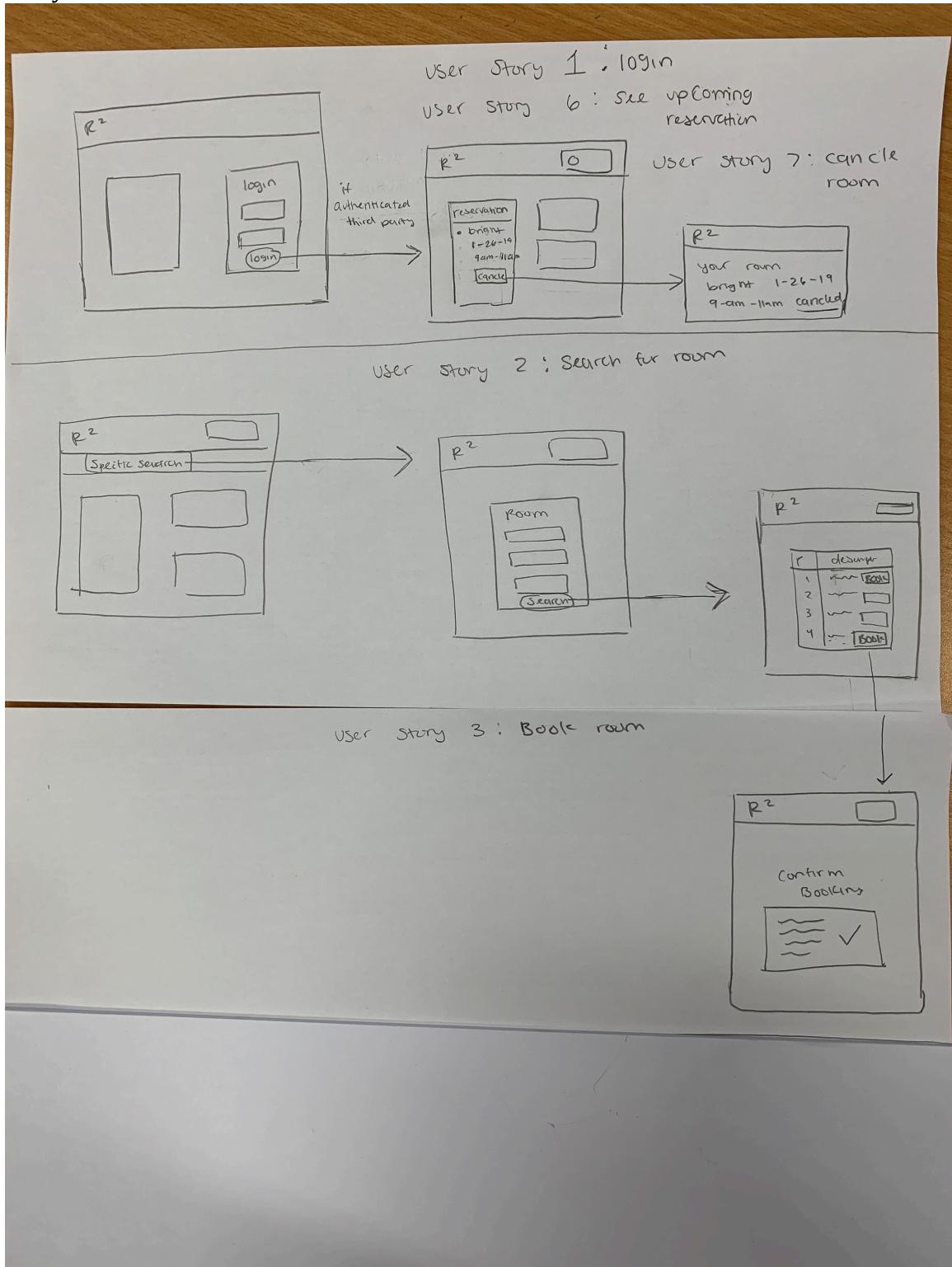
## User Interface

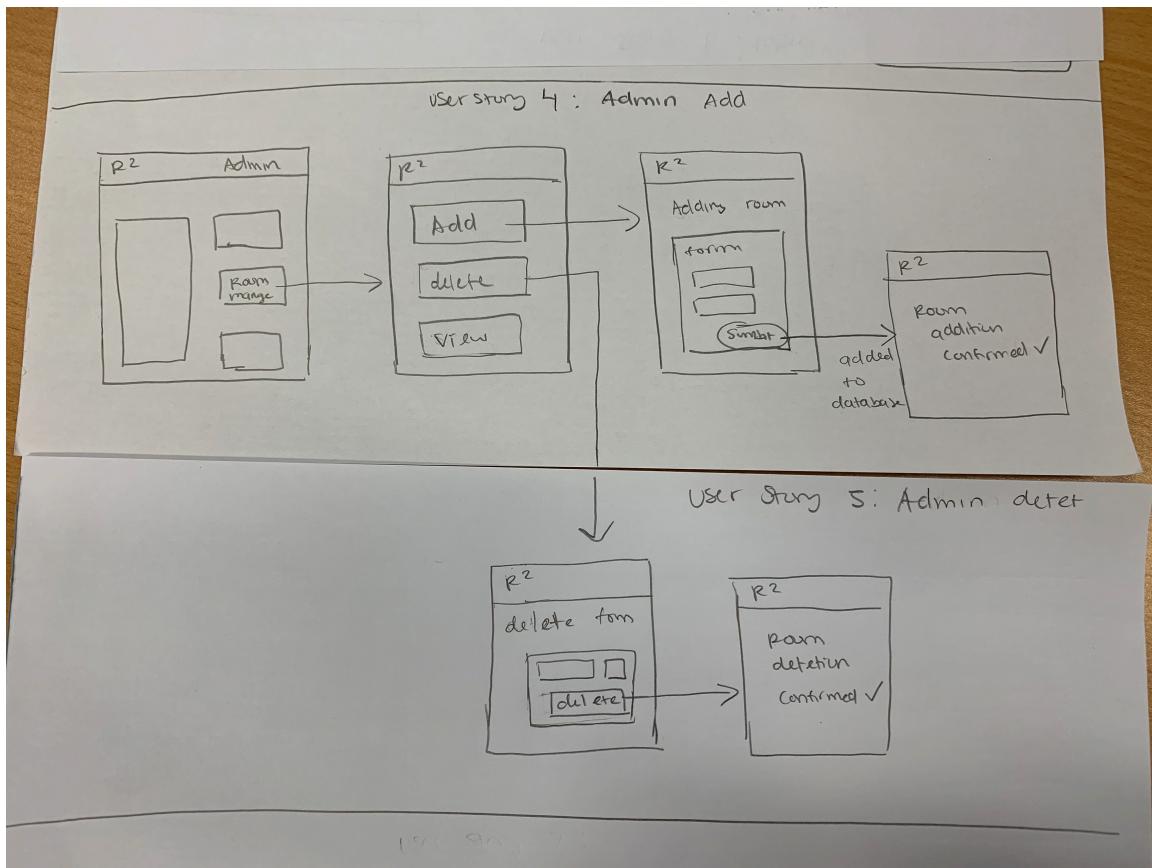






## Story Boards





## Scrum Meetings

Scrum Meetings are held everyday after class at noon in Think Tank 17.

## Links

Github Repository: <https://github.com/404-Room-Not-Found/Room-Reservation>

Pivotal Tracker: <https://www.pivotaltracker.com/n/projects/2234690>