

DreamSpace Project Plan

1904 Integrated Product Development

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Mobile Development Full Sail University

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Vision Statement

Find the perfect meeting space wherever you are.

Problem Statement

Business Owner Issues

Business owners today need to maximize the profits of their assets as much as possible in order to make more money. Minimizing the time spent promoting spaces and maintaining a schedule reduces the overall cost of providing meeting spaces for rent. Having an effective way to manage and post their meeting spaces helps business owners to rent out spaces they own.

When considering booking and discovering meeting places, human error can be costly to businesses of any kind, not only in the time wasted on correcting mistakes but also double checking information thoroughly (Campbell, 2018). For large businesses, meetings can be crucial as they can determine the outcome of a situation, that being an information meeting, meeting with a client, or discussing important matters. Having to account for human errors can be disastrous at times if businesses are not prepared to deal with them. These kinds of problems can be exaggerated by how fast things can move in the business world. With scheduling, there are multiple points where human error can occur. Keeping a record of the date and time, the booker's information, and managing multiple locations could all be potential areas where mistakes could be made due to the lack of automation. Smaller businesses also run into issues that could be solved by an automated unified scheduling system, especially when renting out meeting spaces is not the top priority or source of income. Local businesses such as coffee shops have trouble generating sales because customers have no reason to switch places they usually go to, which makes getting new customers hard for the most part (Ceniza-Levine 2018). Not having many customers usually means that the business is not appealing enough, thus new people choose not to go there if there is no change to the host's current strategy. Additionally, Handground, a coffee making machine company talks about how many coffee shops fail because of improper marketing of their shops (Handground, n.d.). They talk about how to bring in new customers in a variety of ways, including how shops should interact with the community and utilize advertising. While it isn't directly meant for business advertising, DreamSpace is an app that can provide opportunities to expose your business to customers needing a space.

Guest Problems

The current system for scheduling, booking and discovering meeting spaces varies based on the venue. Some venues have a website for booking, some are scheduled via phone, and others use email. Because of these differences, it can be challenging to discover, book, purchase, and cancel meeting space reservations.

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Nowadays, there are so many different groups and communities that gather together to talk about specific topics such as work-related topics, hobbies, and common interests. These groups might not always have a place that they can meet at as one's house might be too small for large groups or the meetings might be too formal. When it comes to finding the best places for a meeting, meeting planners often look at different features and specifications about that location to ensure it fits their group. People often need a place that suits their best interests, things like accessibility, availability, parking, and equipment (Brenner, 2018) to help find the perfect spot. Based on reports from the Event Manager Blog statistics, we see that people are frustrated with slow responses from venues, poor WiFi, and parking (EventMB STUDIO TEAM, 2019). These frustrations contribute to overall customer dissatisfaction with current meeting space offerings.

Furthermore, aside from finding a space with the perfect feature set, meeting planners must also keep in mind their budget for rooms. Trying to find the best meeting room within budget can be challenging for event planners as they always need to find the perfect room at the lowest cost possible. In 2012, there was a follow-up of Meeting Planners study that showed that more than half of the meeting planners often heavily looked at costs as a top criterion when choosing their locations/venues (Bascuas, 2015). This shows us that most meeting planners are likely to look for specific filters such as price to apply and determine which meeting spaces are the best.

Solution Statement

Business Owner Solutions

Extra income and exposure is always a good thing for new coffee shops, local business, or any business with little popularity from the area. That is why DreamSpace is perfect for them, these unpopular places now get a chance to advertise their place through the app in return for exposure and possible income from items sold in the shop. While DreamSpace is not exactly an app to advertise your business, it does allow your business to be discovered by other people in the area which still helps the business to be exposed additional ways and thus bring in more customers. The more places you have your business known in, the more chances you will have to attract more customers into your business.

DreamSpace offers a simple and easy way to schedule meeting room bookings, while also handling all the data, times and cancelation for the business. DreamSpace handles scheduling, payments, room availability, and listing location info. By having an app that does all of that for you, one does not need to worry about those and save that time to focus on something else more important for them. This makes business owners more productive as they waste less time doing negligible tasks and focus on generating profits.

Guest Solutions

Scheduling events can sometimes be very annoying, by having to email and wait for a response, or calling and having cumbersome conversations. DreamSpace allows users to find meeting spaces that suit their needs, quickly and easily. Users can filter spaces based on location, availability, capacity, feature sets, and more. If a guest must have certain equipment in the room, like a projector for a meeting, then DreamSpace can easily search for any rooms that fit that criteria.

Another big factor when considering places to rent is pricing as everyone wants to reduce their costs in order to get the best cost-benefit for a service. DreamSpace will allow guests to filter through their searches in order to find the locations that are within budget for their meetups or events. DreamSpace even allows businesses to list their rooms for free which could be great for smaller group events and help to cut down costs significantly.

Demographic Profile

The primary demographic for DreamSpace users are individuals located in the US. Typically, the users of DreamSpace are socially connected individuals who belong to one or more groups. The main age range includes both business professionals and college students from 20 to 55. Business professionals would chiefly use DreamSpace for booking meeting spaces whether traveling or in their local area. Business owners who have available rooms to rent will use DreamSpace to list meeting spaces on the platform and are more likely to be in the upper bracket of the 20 to 55 age demographic. Students primarily would use the DreamSpace app for study groups, club meetings, and extracurricular activities. Community groups (Meetup, n.d.) are another great example of potential users for DreamSpace as there are numerous groups that might require space for meetups within their community.

Target Audience

The target audience for DreamSpace is business professionals, between the ages of 28 to 45. More specifically, the target audience is traveling business professionals. People who work in the business sector tend to hold meetings to discuss important matters, but when traveling to unfamiliar places it might be hard to find a suitable meeting location. It is for this reason that DreamSpace is targeting people within this market. In 2016, fifty-three percent of business travelers booked their travel through a smartphone ("Travel Booking Trends", 2016). Even business professionals who are not traveling may need to rent a meeting space. According to Wagner, larger corporations may have need of more meeting space and decide to rent out of site meeting rooms (Wagner, n.d.). It could be a cheaper option for them rather than leasing out new office space for meetings. DreamSpace will also be targeted towards business owners of companies with established rentable meeting spaces. This includes libraries, office space owners, and any other business with free meeting space that they could potentially rent out through DreamSpace.

User Personas

Jessica Williams



Age: 26 Occupation: Coffee Shop Owner Primary Device: Google Pixel 2

Goals:

Jessica manages a local coffee shop in downtown Tampa, FL. They have a private room which is available to be scheduled for customers upon request. She spends the majority of her time at the coffee shop which in her eyes is more than just a coffee shop; it should be a place for the community to gather. She would love it if she could spend less time scheduling but at the same time, drawing in more customers as their private room is empty more often than not.

Frustrations:

She struggles to fill their private room, especially on their slower days and times. The primary reason for this is that people are not aware they exist. The two ways customers currently can book out their room are via the phone number listed on their website and asking at the checkout counter. Jessica also has to manage a calendar of the booked times manually, which can be quite time-consuming. Ideally, the private room would be filled with customers who can use this space for student study groups, bible study, and casual community meetings.

James Powell



Age: 34 Occupation: Meeting Room Business Director Primary Device: iPhone X

Goals:

James is the director of a new meeting room business. This business provides multiple meeting rooms to their clients on a daily basis, they aim to facilitate and provide convenience for people to book meeting rooms for events such as conferences, gatherings, or business work. The business is growing very slowly and not as fast as they expected. James is always thinking ahead on ways to improve the business so that he can attract more customers, however, since the business is new it seems like they don't have much exposure throughout the city.

Frustrations:

James is frustrated because he knows his meeting rooms of very good quality and also in very good location in downtown Orlando, FL but he feels like the current meeting planners don't know about his business just yet. He is looking for ways to get more exposure and advertise his business so that he can attract more clients into using them. Currently, the only way to book a meeting room is through their website or a location visit, but since the business is not yet so popular, the website seems to only get a scarce amount of entries per month on their website.

Tim Gale



Age: 32 Occupation: Management Consultant Primary Device:

iPhone XS

Goals:

Tim is a managerial consultant and spends a lot of time traveling to meet with business managers. His goal is to have productive meetings with clients that will help them improve their business and management skill. Tim likes using quiet meeting rooms that have a projector and look professional. He uses the projector to show his thoughts on how the business managers could make improvements. Having a projector really benefits the effectiveness of his presentations. It is also important for the space to be relatively quiet so that he doesn't have to talk over outside noise.

Frustrations:

Tim struggles with finding perfect meeting spaces for him to meet with his clients. It is tough to find places when he is constantly travelling to places he is unfamiliar with. Many times Tim has had to settle for meeting spaces that are not ideal for his needs, just because he couldn't find a suitable space in a timely manner. Tim has a hard time projecting his voice over loud sounds, so it can sometimes be hard to meet with his clients in places with loud ambient sounds. It would be ideal if Tim could easily find a meeting space that met his specifications before he travelled to a location, but it is tough when every place has a different scheduling management system.

Vivian Phillips



Age: 27 Occupation: Secretary Primary Device: Samsung Galaxy S8

Goals:

Vivian is a secretary of a business with a very tight schedule. She does not have enough time to finish her work of the day and stays behind most of the days to finish it, she thinks it's unfair but at the same time she wants to do her best. She often gets asked by the higher ups to quickly book meeting rooms for their business partners in different locations of the country. Vivian wants to do her job well but finding good meeting rooms can be hard when she doesn't know anything about the place she's asked to look meeting rooms for. She wishes there was a way to quickly book meeting rooms ease so that she can get back to her other work as soon as possible.

Frustrations:

It often takes Vivian too much time to find the perfect location to hold the meetings and so this disrupts the amount of work she has to get done by a lot. She gets really stressed during the day because all of the useless phone calls she has to do because meeting rooms are often booked and so she has to find multiple places at certain specific times. If there was a way for her to book a place at a specific time with certainty, it would really help her get throughout the day with much ease.

Targeted Platform and Device

DreamSpace will be an app targeting both iOS and Android phones upon initial release. Targeting both platforms provides the largest audience for an app that functions based on user to user interaction. The more users, the more businesses to become hosts and the more users to become guests. There are also benefits to both platforms. User acquisition is cheaper on Android than it is on iOS ("iOS vs. Android Development", 2018). iOS however generates more profit and has higher user engagement ("iOS vs. Android Development", 2018).

DreamSpace will also support iPad upon initial release. iPad as a tablet platform will provide the most reach given its larger user base. The vast majority of tablet users prefer iPad over Android. Consumers purchased twice as many iPads as Samsung tablets, which is the closest competitor in the tablet market (Condon, 2019). The tablet market in the United States is currently 77.47% iOS tablets, while Android only holds 22.24% ("Tablet Operating System Market Share", 2019). Developing for iPad over Android tablet is the clearly better option. While later down the line DreamSpace may be available for Android tablets, the iPad version will be focused on first. This choice was made considering the app's limited development time.

Competitive Analysis

A competitive analysis was carried out to determine the market competition for meeting room booking applications. Strengths, weaknesses, opportunities, and threats were identified for both third-party competitors and DreamSpace. There are many opportunities to improve on these apps to ensure that DreamSpace exceeds the market standard. Being aware of the competing apps has helped to understand what features are typical for booking apps and which areas to exclude.

The applications that were analyzed include "Regus offices & meeting rooms", "LiquidSpace", and "Davinci Meeting Rooms." All of these apps pose a potential threat as they are meeting room booking apps that are available on both iOS and Android. Regus is by far the top competitor in terms of download statistics followed by LiquidSpace and Davinci Meeting Rooms.

Competitive Profile: Regus offices & meeting rooms

Total Downloads: 100,000+ (Play Store) User Ratings: 4.6 App Store, 4.1 Play Store Last Release Date: March 4, 2019

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Overview:

Regus is an international office and meeting room booking application that has around 3,000 locations. It is available on both the Google Play Store and the Apple App Store for free. It allows users to find and book meeting rooms across various cities around the world. It has a very large user base in comparison to other competitors. Regus focuses only on booking of their corporate meeting spaces and does not have options for listing a space on the system. All of their meeting spaces are owned and managed by Regus and the app does not have options for free meeting spaces. It does not have any initial setup fees and only requires payment when booking a meeting space which allows users to explore the apps. (Regus offices & meeting rooms, n.d.)

SWOT Analysis: Regus offices & meeting rooms

Strengths:

- Supports both platforms (iOS and Android)
- No sign-in required to explore the app to view available spaces
- Utilizes list, map, and street viewing options
- Booking time customization options for time in 30 min increments, room type, and number of attendees

Weaknesses:

- Layout is unfamiliar (hamburger on right, multiple buttons for the same screen)
- Inaccurate office availability (able to book closed offices)
- Slow loading times
- Is known to have issues with crashing
- Poor interface controls for filtering

Opportunities:

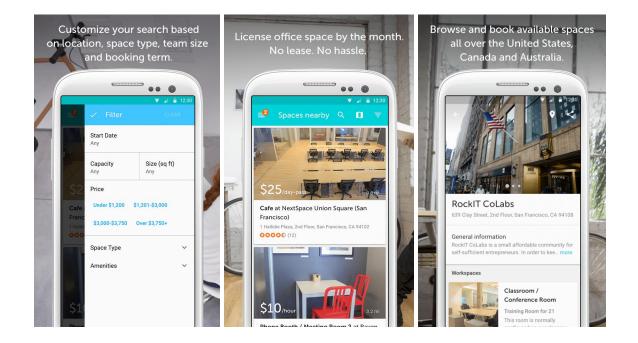
- Provide more feature filters to narrow down results
- Rethink the entire layout to be more consistent with other apps
- Low market competition overall
- Utilize local storage to improve loading times

Threats:

- Competitors have better filtering features
- Competitors support iPhone X and newer devices while Regus does not
- Bad reviews impact a customer's decision to download the app

Competitive Profile: Liquid Space

Total Downloads: 10,000+ (Play Store) User Ratings: 4.5 App Store, 4.1 Play Store Last Release Date: December 18, 2018



Overview:

Liquid Space is a meeting space booking app, that offers a sleek UI and easy filtering options. It has a great and easy to use design that would make it simple for new users to understand. The information provided on each location is relevant and ordered in such a way as to make the important information easy to find at a glance. Finding the perfect location is made simple by their intuitive filtering system. They also offer both a list and a map to view locations near you. They have a review system to give users an idea of space quality. Overall Liquid Space is a very solid app, though is has some glaring app breaking issues when trying to get location on current Android devices. It can crash or become otherwise unusable depending on how the user responds to location prompts. If users get past these issues though, then it is one of the best app offerings of its kind on the market. (LiquidSpace, n.d.)

SWOT Analysis: Liquid Space

Strengths:

- Simple and easy to use UI
- Easy searching and filtering options
- Offers a map view for easier location info
- Ul gives most relevant room info at a glance
- Delayed login makes it easier to see if the app is what the user wants

Weaknesses:

- Consistently crashes when denying location permission
- Has issues grabbing location if location services are turned on after prompting during app usage (must restart app)
- Location usage broke completely after using the app a couple times and would not function even after reinstall (App becomes unusable)

Opportunities:

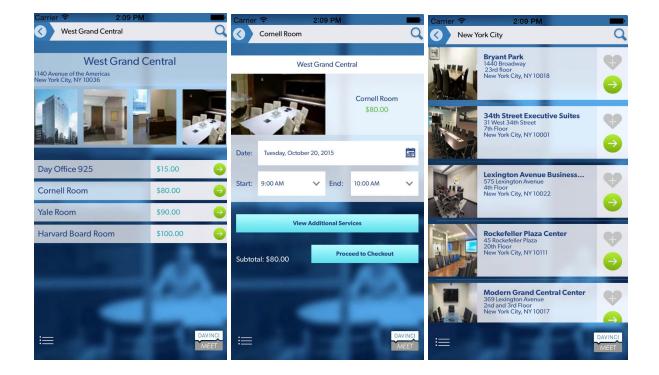
- Liquid space could partner with businesses to become their sole way of booking meeting spaces
- They could partner with corporations to become their meeting room provider when travelling
- They could market themselves towards a larger audience to make booking rooms through their platform seem more accessible.

Threats:

- Android and iOS are constantly evolving and have in the past made this app unusable. It could happen again in the future
- Minor issues in the app could turn away potential customers with bad reviews
- New customers might uninstall the app after the first crash when denying permission, because of bad first impressions

Competitive Profile: Davinci Meet

Total Downloads: 1,000+ (Play Store) User Ratings: 5.0 App Store, 4.4 Play Store Last Release Date: October 23rd, 2017



Overview:

Davinci Meet is an app that allows users to search and book meeting rooms all across the world. Davinci Meet has over 5000 spaces, 1500 locations and is present in over 50 countries. Davinci offers both mobile and desktop booking options for any kind of situation. They offer quick and affordable prices to users while also giving the option for the user to find their perfect location with required equipment and snacks or drinks. Although the UI is a little bit outdated in comparison to most apps in the app store today, we can see that it is pretty much straight forward by having as little buttons as possible to avoid confusion clusters. They limit user options for clicks whilst also naming the buttons and adding icons, it allows users to use it intuitively. Davinci Meet requires registration for use but does not require email verifications. (Davinci Meeting Rooms, n.d.)

SWOT Analysis: Davinci Meet

Strengths:

- Large database of locations
- Can search by Zip, State, City, Current Location
- Has a favourites location page
- Supports iPad

Weaknesses:

- App Freezes and takes long time to load
- Weird pricing subtotal from \$35 advertised place for 1 hour goes to \$80 subtotal.
- UI bug when displaying list of places, favorite button
- Very Laggy
- No Warnings given when no locations are found
- Archaic iOS Design
- Last update 1 year ago
- Cannot sort
- Constraints on landscape mode are not applied.
- Application Crashes upon trying to upload a picture

Opportunities:

- Update app more often to keep up to date with the platforms
- Include sort features to sort by price or distance at the very least
- Remove saving credit card information and implement Apple Pay

Threats:

- Saves credit card information, which can be bad for the user's security.
- UX of the App could cause many users to leave as it is very glitchy and laggy
- With so many current weaknesses, bad reviews could also turn away users since the last review as 4 years ago.

SWOT Analysis: DreamSpace

Strengths:

- Dual facing app Ability to list and book meeting spaces
- Built in payment
- Simple design and UI
- Map functionality
- Functions on the latest devices

Weaknesses:

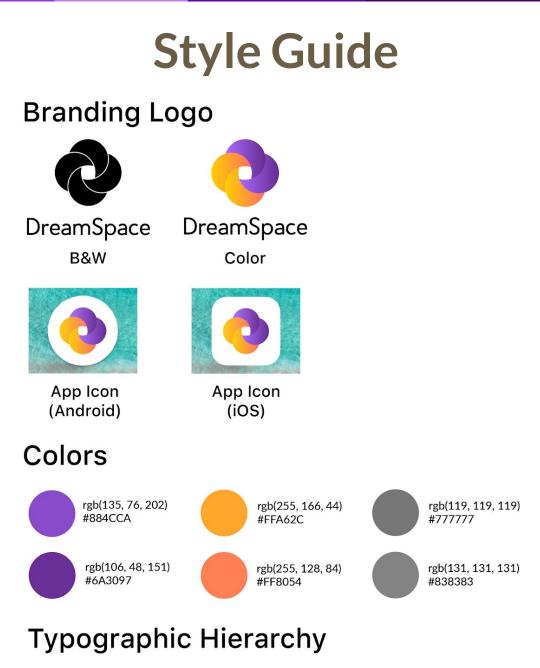
- No large financial backing
- No customer base
- Not a large number of initial spaces to list in the app

Opportunities:

- Low market competition
- Offering services to small businesses may lead to future deals and build local trust
- Customer interaction may build brand integrity early in the app's life

Threats:

- Any bad reviews early on may turn away new customers
- Being a new app may make it difficult to gain any tractions with established companies
- If the app isn't updated constantly it may become dysfunctional in the future
- Any minor bugs may cause users to leave bad reviews and uninstall the application



Font: SF Pro Text

Header 24pt Semibold

Subtitle 17pt Semibold

Body 17pt Regular

Detail 15pt Regular

Mockups (iPhone)

Landing



Discover (List)



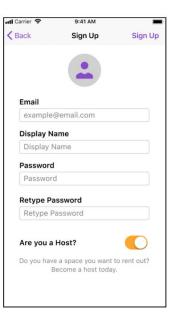
Login



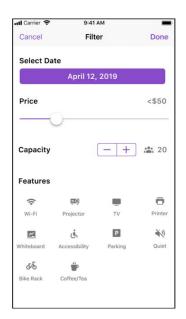
Discover (Map)



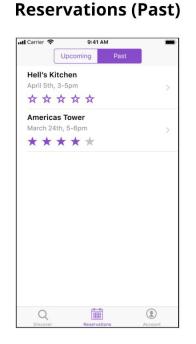
Sign Up



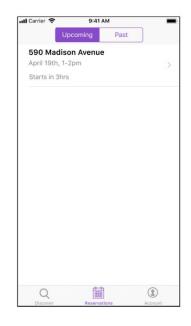
Filter



Bailey Seymour, Lane Kersten, & Kevin Hsu



Reservation (Upcoming)

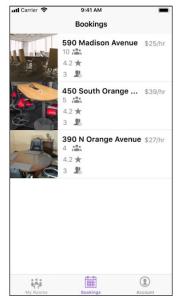


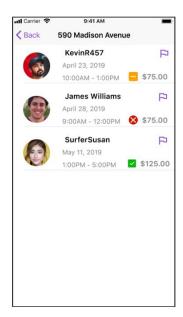
My Rooms

Bookings

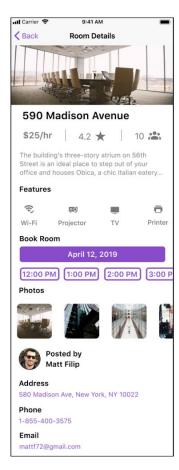
Schedule Details







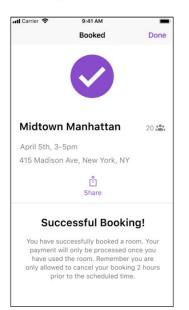
Room Details



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Booking Confirmation



Book (Payment)

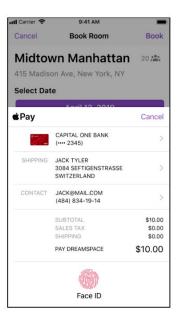
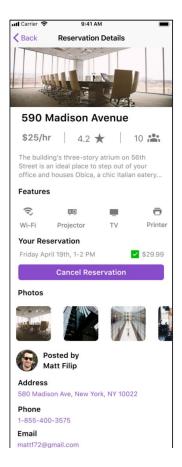


Photo Detail



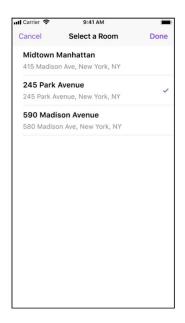
Reservation Details



Room Details (Host)



Select a Room



Create Room

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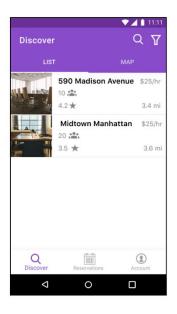
Mockups (Android)

Landing TreamSpace DreamSpace Login Sign Up

Discover (List)

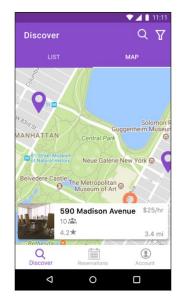
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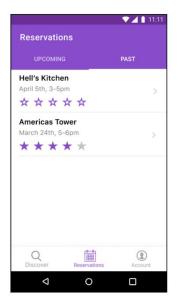
Discover (Map)



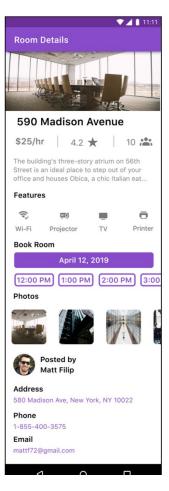
Sign Up



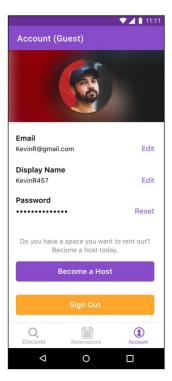
Reservations



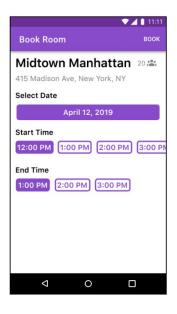
Room Details



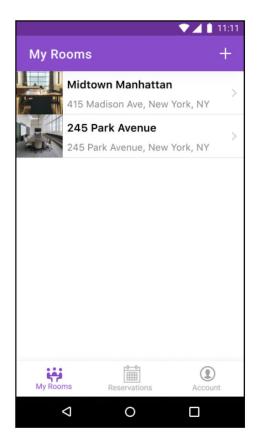
Account



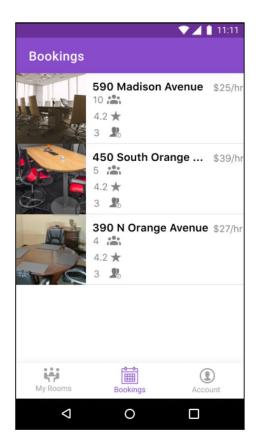
Book Room



My Rooms

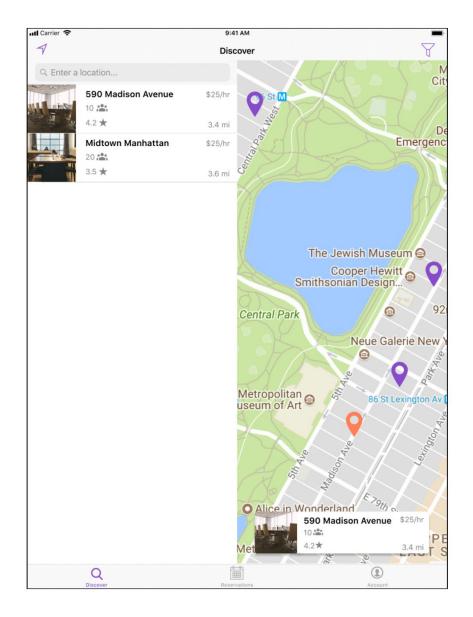


Bookings

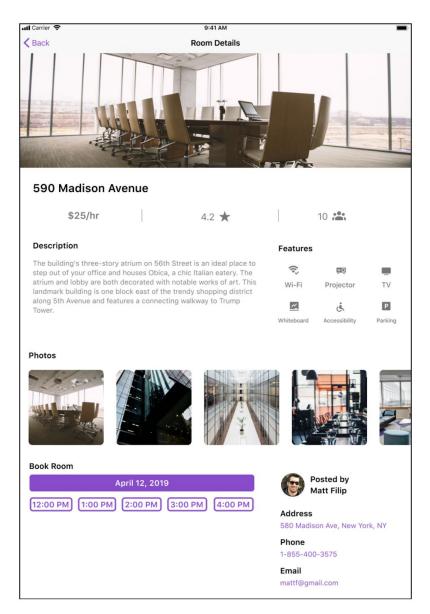


Mockups (iPad)

Discover



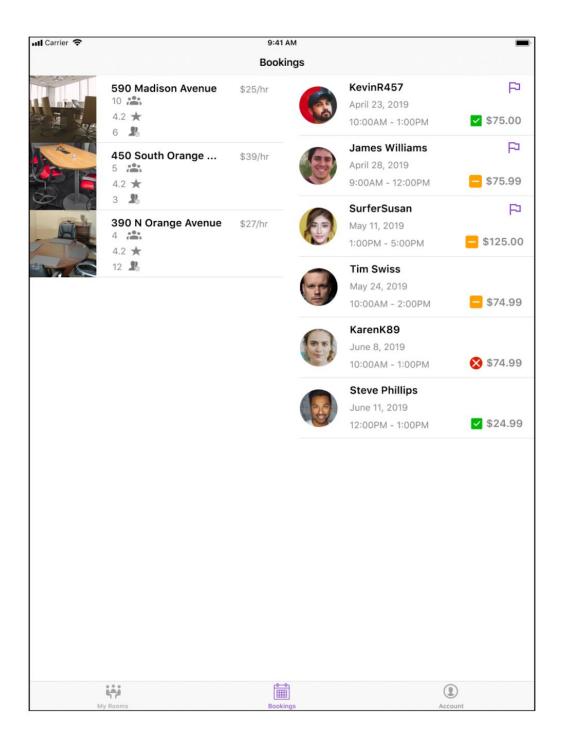
Room Detail

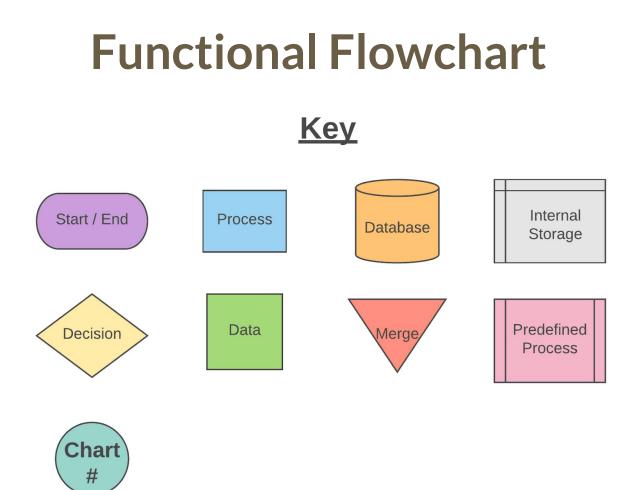


Create Room

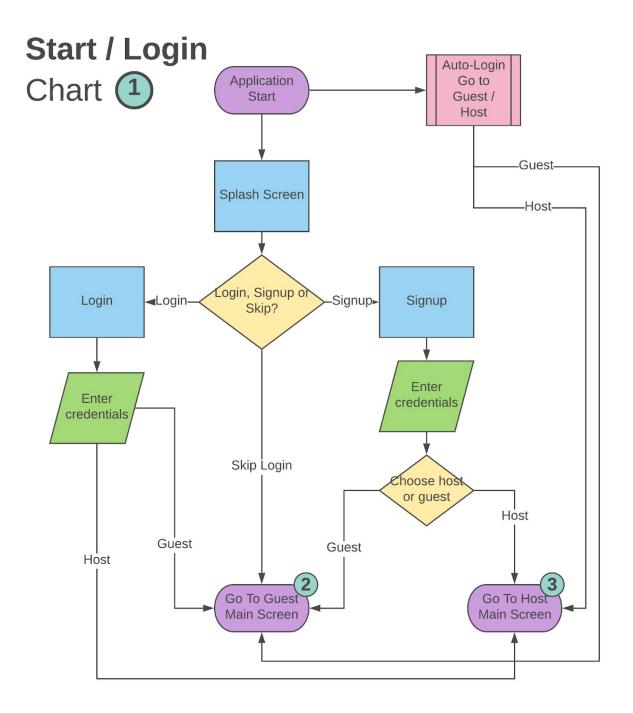
ull Carrier 🗢	9:41 AM	-
Cancel	Create Room	Done
Q Enter a location		
Room Name	Photos	Copy Details from Another Room
Room Name	Filotos	
Room Description	and a second	
Description		Add Photo
	Open Time	9:00 AM >
Price per Hour \$/Hr	Close Time	5:00 PM >
	Days Open	Mon, Tue, Wed, Thu, Fri >
Capacity		
# of People		
Features		
Wifi, Projector, TV, etc.		
1 2 3 4	5 6 7	8 9 0
Q W E R	T Y U	I O P 🛛
◎ # \$ & A S D F	G H J	K L return
★	= / ; : V B N N	, ! ? ▲
		.?123
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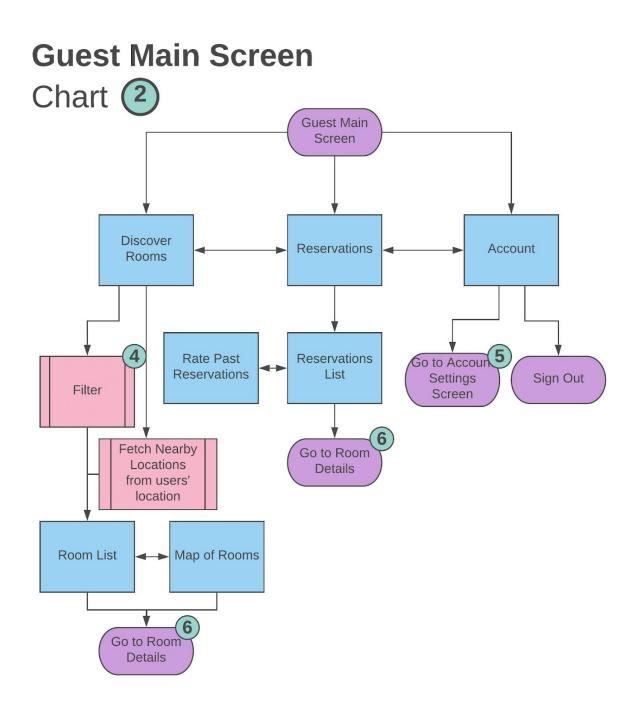
Bookings / Schedule Details

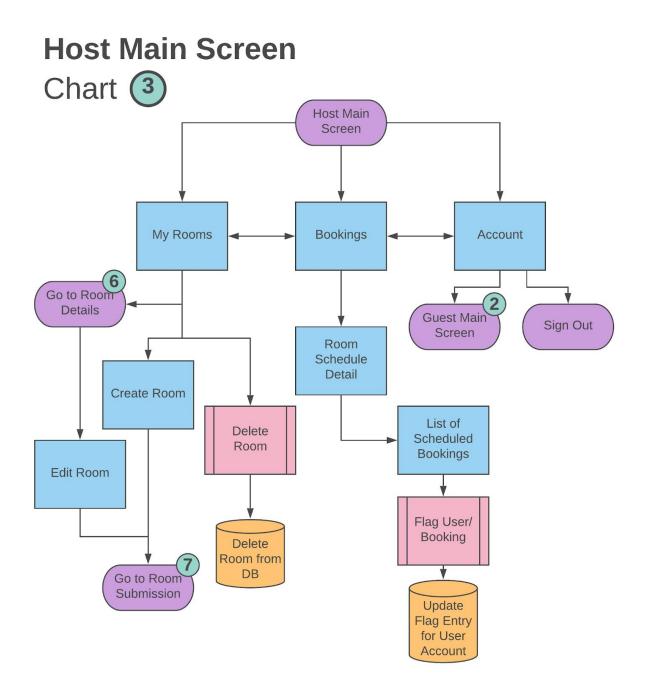


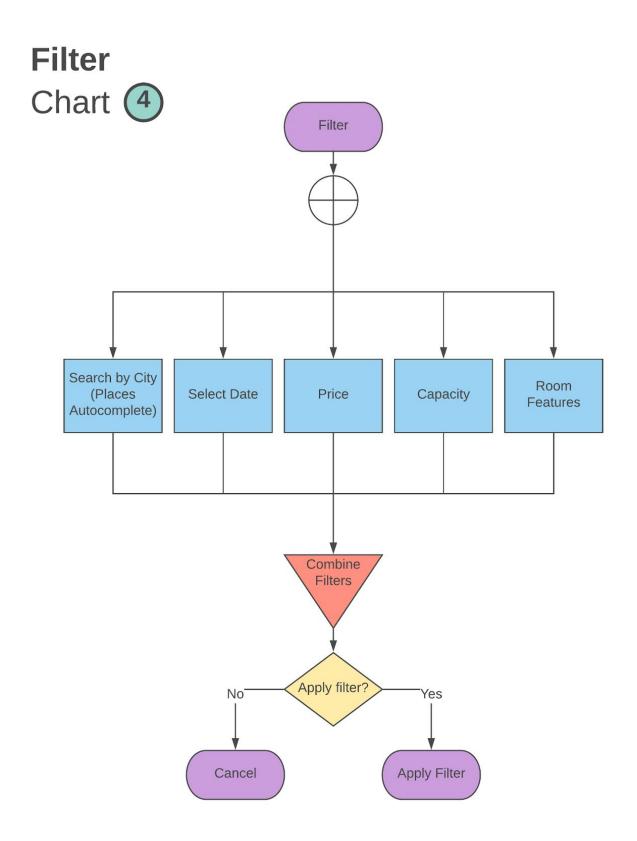


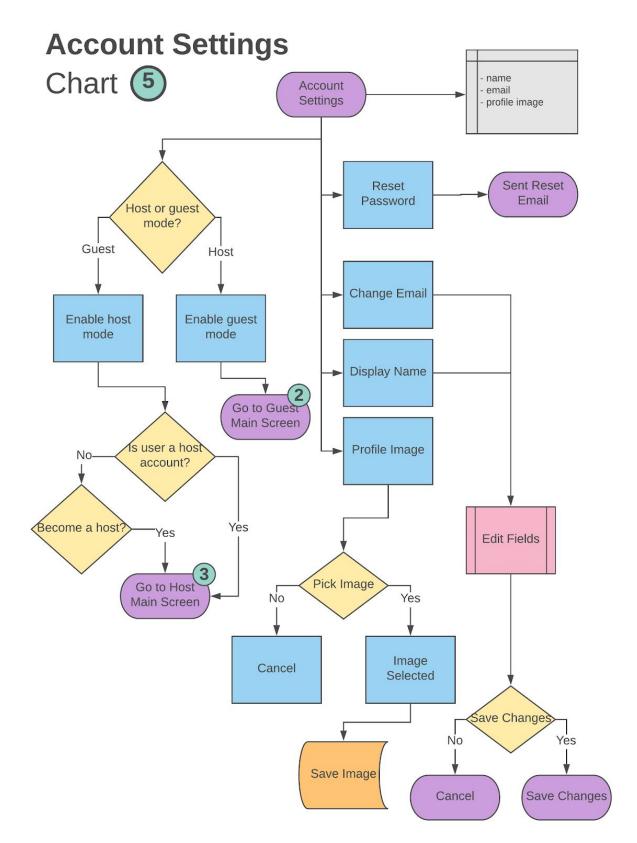
39

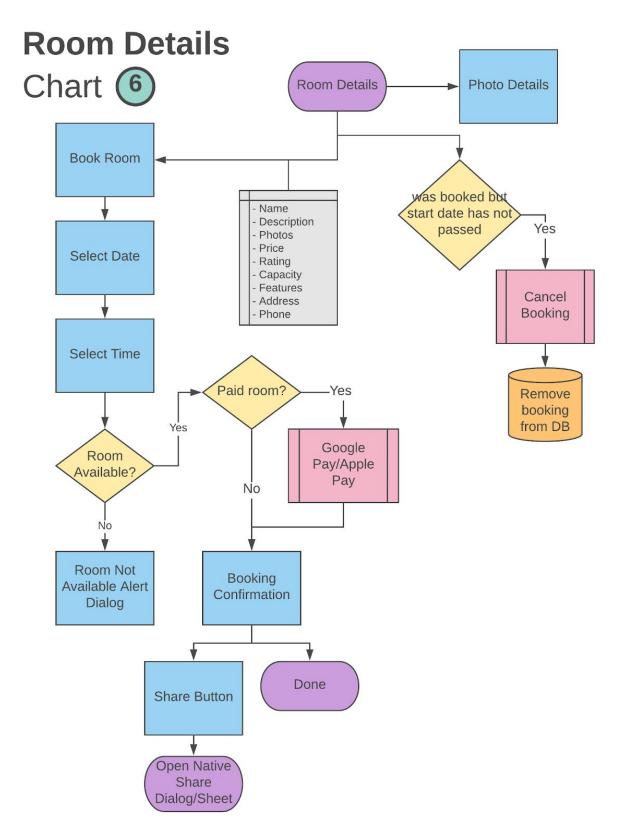


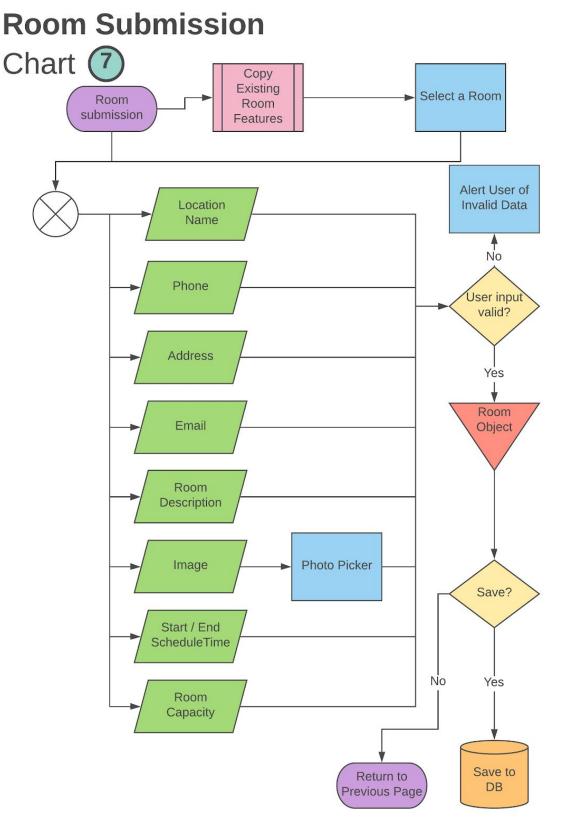












46

Bailey Seymour, Lane Kersten, & Kevin Hsu

Developer Profiles

Bailey Seymour

I first started experimenting with writing code when I was only 11 years old developing websites and Mac apps. I have had plenty of experience working with a myriad of programming languages including Objective-C, Swift, Java, C#, JavaScript, Python, and C++. I am the



author of a popular open source library which has millions of downloads. I have a passion for improving people's everyday lives by developing mobile apps for both iOS and Android. During my time as a Full Sail University student, I have been able to refine my skills and expand my knowledge of mobile development.

Kevin Hsu

Having first started with Python language during college electives to becoming a developer has had improved my overall decision making by a whole lot whilst also opening many doors. Growing up, I have always been close to the newest emerging technology since I was



young and I believe that is the reason why I'm still motivated to learn more about Computer Science. Learning how to program in C#, Swift and Java at Full Sail University has allowed be to become a real mobile developer. Solving puzzles is something that peaks my interest and that is what I see programming is, finding solutions to problems that people have daily.

Lane Kersten

As a developer, my interest in coding began when I took coding classes at 16 years old. I started developing my programming skills in various languages, including Java, C++, and C#. After being exposed to programming, I continued to develop logical problem solving skills and learning to write



better code. I'm a very analytical person and love programming, because it allows me to utilize logical thinking to solve issues. Attending Full Sail has allowed me to focus in on mobile development and sharpen my coding skills for more specialized applications.

Timeline & Milestones

Week 4 4/19 - 5/02/2019	Week 5 5/03 - 5/12/2019	Week 6 5/13 - 5/19/2019	Week 7 5/20 - 5/23/2019	Week 8 5/24 - 5/30/2019
ALPHA Release	BETA Release	User Testing	Release Candidate	GOLD Release
Alpha Release Milestone: Setup database and implement all core features. Features include: - Login / Sign up - Room Submission - Room Details - Reservations - My Rooms - Bookings (Host) - Room Booking - Booking Confirmation - Account Page - Room Discovery (List) - Schedule Details - Reservation Details - Reservation Details - Reset Pasword - Forgot Password	Beta Release Milestone: Fix any issues with the alpha features and add beta features. Added features include: - Apple / Google Pay - Guest/Host Toggle - Edit Email - Edit Display Name - Edit Room Form - Room Discovery (Map) - Room Discovery (Filter) - Photo Detail Page	Release Milestone: All alpha and beta features completely done. Start adding	Release Candidate Milestone: Fix any issues discovered during user testing phase. Fully support iPad layouts & code. Added features include: - iPad Constraints - iPad Code Implementation	Gold Release Milestone: Final debugging and UI polishing to ensure a professional release build is ready for deployment.

Feature List and Project Tasks

App Features/Components,		Why are these	What data points (content) will come
Tasks/Subtasks		necessary?	from this feature?
Google Places		To use for verification of locations	Location information about businesses
	Location name	User might want to know location name, or location preferences.	Room Model Object - Name / Nickname
	Address	User needs to know a location.	Room Model Object - Address
	Phone	Basic contact information for the customer	Room Model Object - Phone
	Email (optional)	Basic contact information for the customer	Room Model Object - Email
	Geocoordinates	Used for location based searching	Room Model Object - Latitude, Longitude
	Other general location info	Basic location information for the customer	Image, web url
Room Capacity		User needs to know how many people can use the room	Room Model Object - Capacity
Room Description		Additional details about the room for customers	Room Model Object - Text Description of the Room
Feature List		List of features about the room itself for customers	The amenities/features the room has wifi, projector, equipment,

			A/C
Photos		Visual Representation of the room for customers	Images (Stored in cloud storage)
Availability/Sche duling		User needs to know when the room is available for scheduling	
	Start / End Time	Opening and Closing hours of the business	The opening time / closing time of the availability
	Time Intervals	Hour gaps for users to choose from	Hourly Times
Copy Room Info/Features		Helps with inputting room info that could be the same across rooms	Room Model Object (To copy data from)
om Discovery/Book	king:		
List Rooms by Location		Users will want to browse available rooms	A sorted list of rooms retrieved from the database by distance
Map of Rooms		Another method for users to view rooms	Google Maps
Searching		To narrow down the list of rooms based on search criteria	Search Field Text
	Search By City or Current Location	Help users find rooms based off locations	A sorted list of rooms retrieved from the database by city / curren location
Filtering		To narrow down the list of rooms in the search results	
	Filter By Availability	User might want the list sorted by convenient time	A sorted list of rooms retrieved from the database by availability
	Filter By Price	User might want the list sorted by most cheap / expensive first	A sorted list of rooms retrieved from the database by price
Booking Cancellation		Users might have a conflict and need to cancel	
Room Details View		Display of room details to customer / business	
	Location name	Users need a way to reference the location	Room Model Object - Name / Nickname
	Address	Users need to know where	Room Model Object - Address

		the location is	
	Contact Info	Users need a way to contact the business	Room Model Object - Phone / Email
	Room Capacity	User needs to know how many people can use the room	Room Model Object - Capacity
	Room Description	Additional details about the room for customers	Room Model Object - Text Description of the Room
	Feature List	List of features about the room itself for customers	The amenities/features the room has wifi, projector, equipment, A/C
	Photos	Visual Representation of the room for customers	Images of the room
	Availability/Sche duling	User needs to know when the room is available for scheduling	Dates and Times (Hourly)
	Ratings	To see if a room has a high or low rating	User Ratings and IDs to prevent duplicate ratings
View Booked Rooms S Side / Host Side)	Schedule (Guest		
View most recent booked rooms by customer		Customer must be able to see their booked rooms	List of rooms a user has booked
View most recent booked rooms from customers		Business must be able to see which rooms were booked	List of users that have booked a room
Payments			
Apple Pay		For users to make payments in the app	User ID, Booked Room ID, and Schedule info
Google Pay		For users to make payments in the app	User ID, Booked Room ID, and Schedule info
General App Features	:		
Sign-in / Sign-up		Users need to login to their account to utilize the app	Email, Password, User ID
Profile Creation		Profile creation for business's to customize	Profile info (Username, Profile picture)

		tł	heir account	
Bu ac	ustomer / usiness count esignation	w fo		Field in the database to store the type of account
	atings, agging	tł	neir experience (1-5)	Integer to hold rating and ID for user who submitted it
Sh	nare Room Info	ro	o share the address, oom name, and cheduled time via native hare sheet	Formatted text data
Screen s	size, Device suppo	ort		
iPł	hone			
An	ndroid Phone			
	ad (business cused)	ta ir	Pads are the preferred ablet version in business n comparison to android ablets	

Time Estimates

DreamSpace feat	ures, related tasks and time tracking:	Dev. 1 Bailey S Dev. 2 Lane K Dev. 3 Kevin F		
		#1 #2 #3	#3	
Room Submission (H	ost Side):			
Google Places		12	14	14
	Research Google Places SDK			
	Location name			
	Address			
	Phone			
	Email (optional)			
	Geo Coordinates			
	Other general location info (contact)			
Room Capacity		1	1	1
Room Descriptio n		1	1	1
Feature List		3	2	3
Photos		8	10	10

rr				
Availability /Schedulin g/price		22	24	28
	Start / End Time			
	Time Intervals			
Copy Room Info / Features		3	3	3
Room Discovery/Boo	king:			
List Rooms by Location		8	8	10
Map of Rooms		10	8	10
Search		6	8	8
	Search By City or Current Location			
Filtering		10	12	10
	Filter By Availability			
	Filter By Price			
Booking Cancellati on		2	2	3
Room Details View		18	16	18
	Location name			
	Address			
	Contact Info			
	Room Capacity			
	Room Description			

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	Feature List			
	Rating			
	Photos			
	Availability/Scheduling			
	Ratings			
View Booked Rooms	Schedule (Guest Side / Host Side)			
View most recent booked rooms by customer		2	2	2
View most recent booked rooms from customers		2	2	2
Payments				
Apple Pay		8	8	8
Google Pay		8	8	8
General App Features	:			
Sign-in / Sign-up		6	6	6
Profile Creation		2	3	4
Customer / Business account designation		4	2	4
Ratings		4	4	4

Share Room Info		2	2	3
Database(s):	-			
Firestore Setup		4	3	4
Data Modeling		8	10	10
UX:				
Form validation		5	4	4
	Blank Location Name			
	Blank Address			
	Phone Validation			
	Email Validation			
Form Field formatting		2	3	4
	Phone Formatting			
Network check		1	2	1
	Check before payments			
	Check before booking			
Location permission s		2	2	1
	Check before accessing location			
Storage/Ga llery permission s		2	2	4
	Check before accessing photo library			

· · · · ·				
User Feedback		2	1	1
	Payment Confirmation			
	Successful Booking			
Error Prevention, Error Handling		3	2	2
	Location Submission Error Alert			
	Sign-in/Sign-up Error Alert			
Asset creation and im	plementation:			
App Splash Logo		8	6	10
App Icon		5	6	10
UI Screens Layout		30	30	30
	Login			
	Sign Up			
	Location Submission Form			
	Discover Location			
	Booked/My Locations			
	Location Details			
	User Preferences			
UI Screens Design (styling)		13	12	14
	Login			
	Sign Up			

		Location Submission Form			
		Discover Location			
		Booked/My Locations			
		Location Details			
		User Preferences			
	Button Icons:		4	3	4
		Search/Discover Tab			
		Booked Tab			
		Preferences Tab			
		My Locations Tab			
		Sign Out			
	Placehold er art:		1	1	1
		Room Photo Placeholder			
Cross-pla	atform and/o	r Cross-device implementation			
	iOS				
		phone version(s)			
		iPad (lower priority)	15	15	15
	Android				
		phone version(s)			
Animatior	ıs:				
	Map Zoom		1	1	1
Total Per	Person:		272	273	300
Total:			845		

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