

# Travel Reservations Service

CS 4400: Introduction to Database Systems

Course Project: Fall 2021 Semester

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# Phase 4 Screens Examples

- These screens are for example purposes only. You have complete freedom for most design aspects (other than ability to filter and sort).
- The data in these examples might not be consistent with each other and with the initial data provided. **The data is for the purpose of Examples Only.**
- Your application should not crash if a constraint is broken. An error message popping up or the action not being completed are examples of ways of dealing with constraints not being satisfied.
- Filters are not to be comprehensive. For example, if you're filtering by name and you filter "Jam". If the entries include James Bond, James Blunt, and James Earl Jones, all three should show up

**Button**

**Back**

Text box



For sortable columns

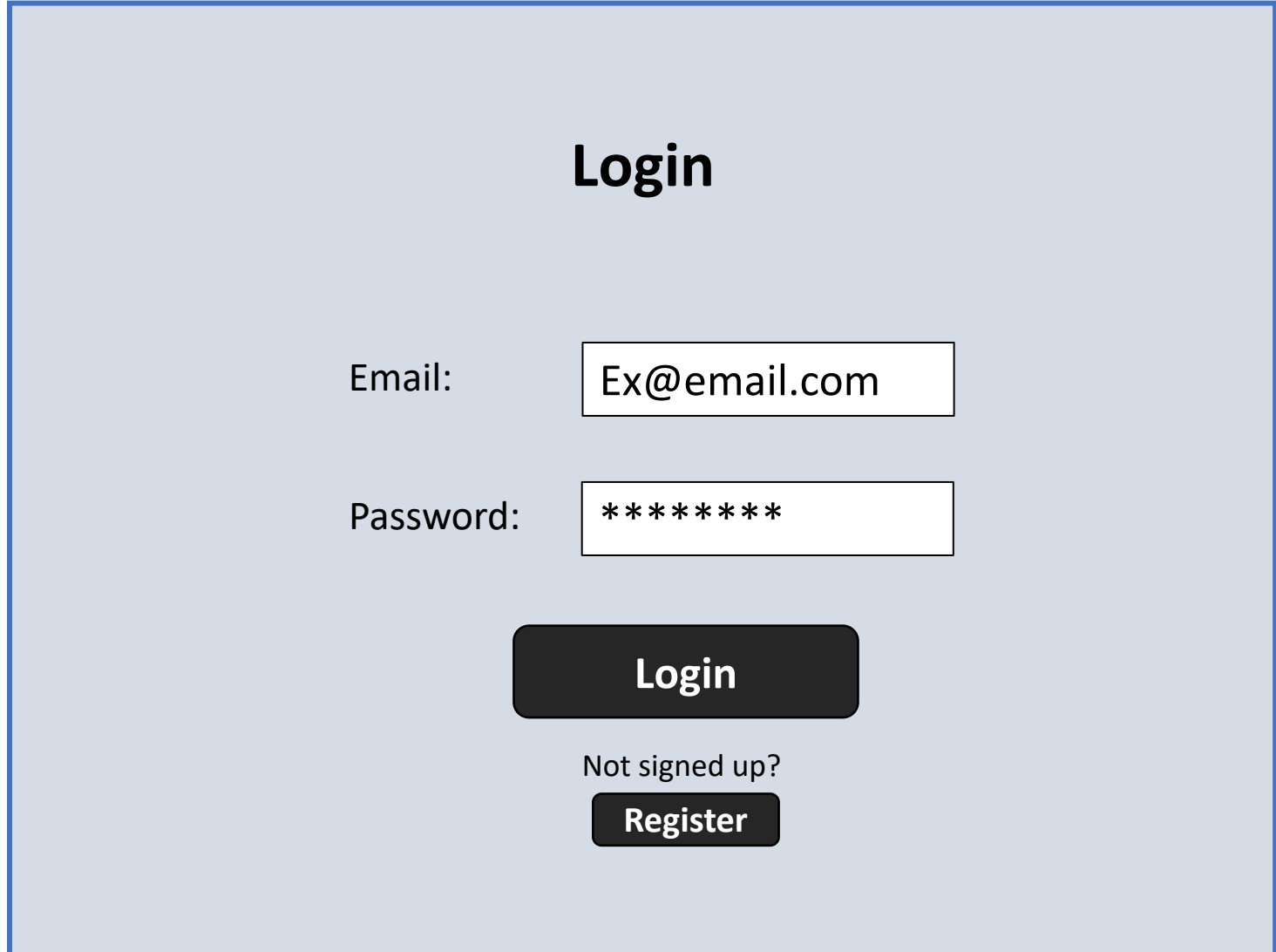


For dropdowns

Prepopulated information

## Screen Mockups for Travel Reservation System

## Screen 1: Login

A login screen with a light blue background. At the top center is the word "Login" in bold black font. Below it are two input fields: "Email:" with the value "Ex@email.com" and "Password:" with the value "\*\*\*\*\*". Below the password field is a dark grey rounded button labeled "Login". At the bottom is the text "Not signed up?" followed by a dark grey rounded button labeled "Register".

**Login**

Email:

Password:

**Login**

Not signed up?

**Register**

Screen 2: Register customer

Note: You can incorporate Owner/Customer Registration in your own unique manner. You have complete design freedom

Register

First Name:

First

Phone number:

404-468-8277

Last Name:

Last

Email:

Ex@email.com

Password:

\*\*\*\*\*

Confirm:

\*\*\*\*\*

Customer

Owner

Card Number

xxx xxx xxx xxx

CVV:

xxx

Exp:

3/25/2025

Register

Screen 2: Register owner  
Note: You can incorporate  
Owner/Customer  
Registration in your own  
unique manner. You have  
complete design freedom

## Register

First Name:

First

Last Name:

Last

Email:

Ex@email.com

Password:

\*\*\*\*\*

Confirm:

\*\*\*\*\*

Phone number:

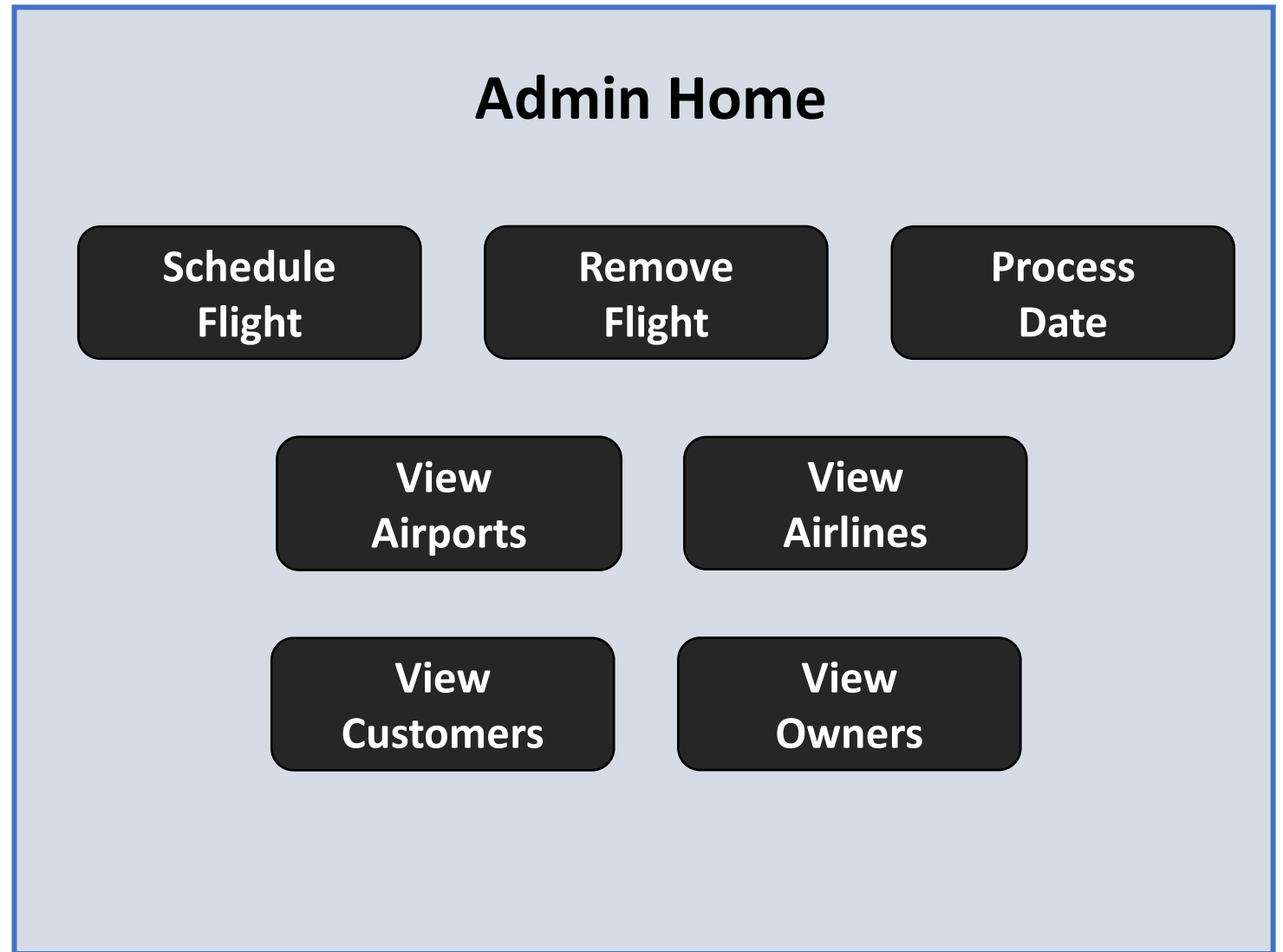
404-468-8277

Customer

Owner

Register

Screen 3: Home Screen:  
Admin



## Screen 4: Admin Schedule Flight Screen

- Current date automatically populated
- Flight Date needs to be later than current date
- Airline should be a drop down option. Can add more drop downs for design purposes.

### Schedule Flight

Flight Number:	<input type="text" value="56"/>	Flight Date:	<input type="text" value="2022-01-15"/>
Airline:	<div><div>▼</div><div>Delta Airlines</div></div>	\$ Per Person:	<input type="text" value="350"/>
From Airport:	<input type="text" value="ATL"/>	Capacity:	<input type="text" value="400"/>
To Airport:	<input type="text" value="LAX"/>	Current Date:	<input type="text" value="2021-11-30"/>
Departure Time:	<input type="text" value="9:15:00"/>		
Arrival Time:	<input type="text" value="18:15:00"/>		

Cancel

Schedule



Screen 5: Admin Remove  
Flight Screen

- Current date  
automatically populated
- Design freedom up to  
you

Remove Flight

Dates: 2022-01-15 - 2022-01-31

Airline: ▼ NULL

Current Date: 2021-11-30

Flight Number:

Airline	↑↓	Number	↑↓	Date	↑↓	
Delta Airlines		56		2022-01-28		<input checked="" type="radio"/>
Southwest Airlines		87		2022-01-26		<input type="radio"/>
WestJet		71		2022-01-20		<input type="radio"/>
Southwest Airlines		60		2022-01-25		<input type="radio"/>

Back

Reset

Filter

Remove

Screen 6: Admin View  
Airports Screen



View Airports

ID:

Time Zone:

▼

NULL

ID	↑↓	Name	↑↓	Time Zone	↑↓	Address
ATL		Atlanta Hartsfield Jackson Airport		EST		6000 N Terminal Pkwy, Atlanta, GA 30320
JFK		John F Kennedy International Airport		EST		455 Airport Ave, Queens, NY 11430
LGA		Laguardia Airport		EST		790 Airport St, Queens, NY 11371
SJC		Norman Y. Mineta San Jose International Airport		PST		1702 Airport Blvd, San Jose, CA 95110
DFW		Dallas International Airport		CST		2400 Aviation DR, Dallas, TX 75261

Back

Reset

Filter

# View Airlines

Name:

Name	Rating 	Total Flights 	Minimum Flight Cost 
Delta Airlines	4.7	3	\$375
Southwest Airlines	4.4	2	\$350
American Airlines	4.6	1	\$350
United Airlines	4.2	2	\$275
WestJet	3.9	1	\$700

Screen 8: Admin View  
Customer's Screen

- Filter by Name should  
auto populate. For example  
if you filter with “Shel”,  
Sheldon Cooper should  
appear

# View Customers

Name:

Name ↑↓	Average Rating ↑↓	Location	Is Owner ↑↓	Total Seats Purchased ↑↓
Sheldon Cooper	0		Yes	0
Addison Ray	5	NY	No	2
Jerry Seinfeld	1	CA	No	4
Bob Lee	0		No	0

Screen 9: Admin View  
Owners Screen

- Filter by Name should auto populate. For example if you filter with “Shel”, Sheldon Cooper should appear

# View Owners

**Name:**

Name	Average Rating <div>↑↓</div>	Number of Properties Owned <div>↑↓</div>	Average Property Rating <div>↑↓</div>
Sheldon Cooper	0	1	0
Arthur Read	3.5	3	3.5
Chandler Bing	5	1	4.5
Michael Scott	0	2	0

Screen 10: Admin – Process  
Date

## Admin Process Date

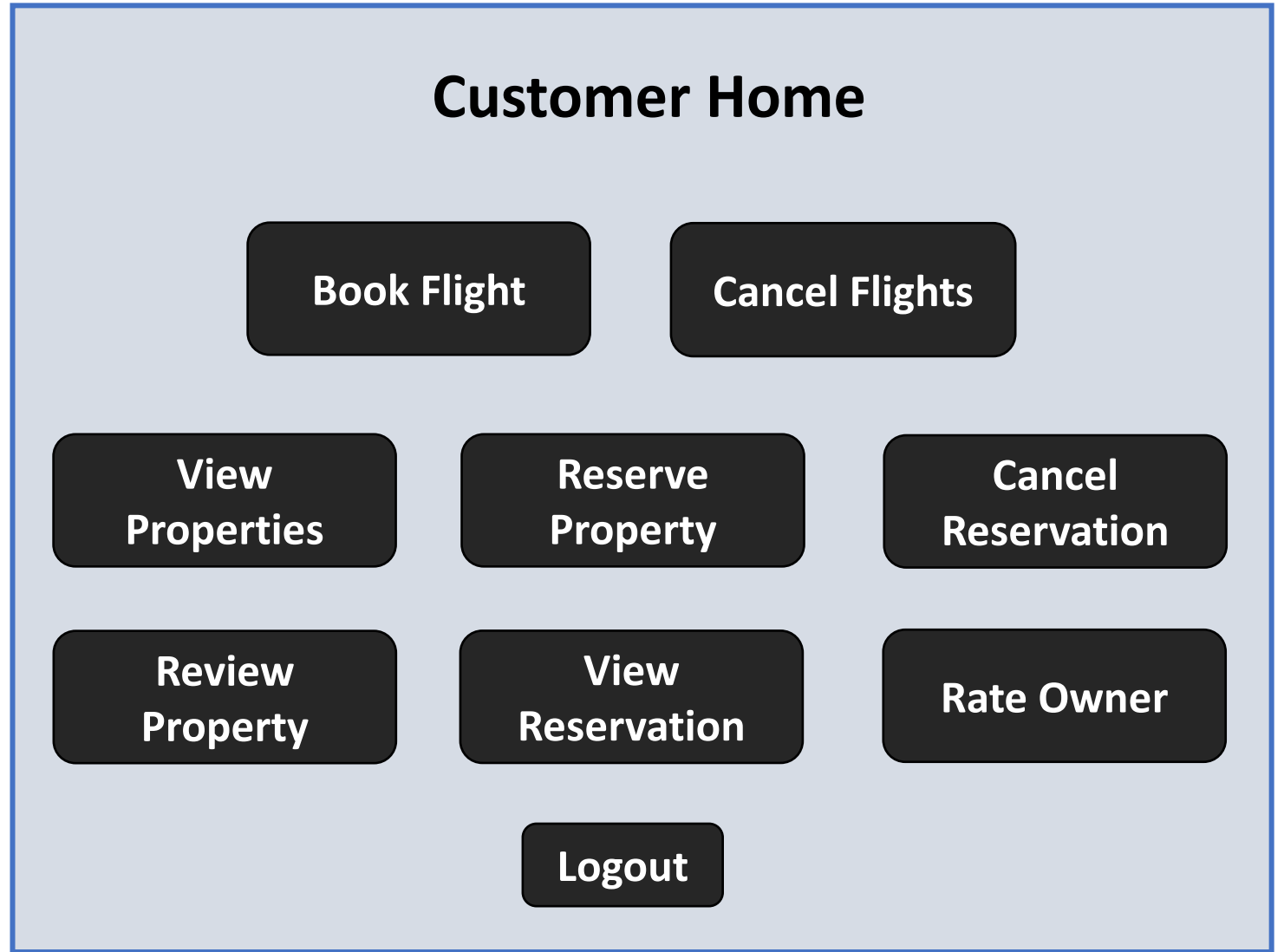
Set Current System  
Date:

MM/DD/YYYY

Back

Set Date

Screen 11: Customer Home  
Screen



Screen 12: Book Flight  
Screen

(View and book flights)

Book Flight

Airline ↑↓	Flight Num ↑↓	Available seats	Seats to book	
American Airlines	3	150	<input type="text" value="Count"/>	<input checked="" type="radio"/>
Delta Airlines	13	200	<input type="text" value="0"/>	<input type="radio"/>
United Airlines	20	125	<input type="text" value="0"/>	<input type="radio"/>
WestJet	21	80	<input type="text" value="0"/>	<input type="radio"/>

Booked Flight Num

Amount Spent

56

\$ 375

Back

Book Flight



Screen 13: Customer  
Cancel Flight Screen

- Current date  
automatically populated

Cancel Flight

Current Date:

2021-11-30

Airline:

▼

NULL

Flight Number:

Airline	↑↓	Number	↑↓	Date	↑↓	
Delta Airlines		56		2022-01-28		<input checked="" type="radio"/>
Southwest Airlines		87		2022-01-26		<input type="radio"/>
WestJet		71		2022-01-20		<input type="radio"/>
Southwest Airlines		60		2022-01-25		<input type="radio"/>

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Reset

Filter

Cancel Flight

Screen 14: Customer View  
Flights screen



# View Flights

Available seats:

ID	Airline	From	To	Dept. time	Arr. time	Date	Available seats	Cost Per Seat	Total Spent
16	American Airlines	ATL	NYU	08:15	23:00	01/01/22	4	\$100	\$ 0
22	Delta Airlines	MAC	FLO	04:50	09:30	12/03/21	3	\$200	\$ 400
34	United Airlines	SFO	DC	11:15	15:45	09/30/21	7	\$240	\$ 96
42	WestJet	CHG	UIC	13:00	17:30	11/09/21	2	\$120	\$ 0

Back

Filter

Screen 15: Customer  
Reserve Property Screen

Reserve Property

Dates:

2022-01-15

-

2022-01-31

Current Date:

2021-11-30

Property Name <div>↑↓</div>	Owner Email	Capacity <div>↑↓</div>	Number of Guests	
Garden B&B	gburdell3@gmail.com	4	<div>Count</div>	<input checked="" type="radio"/>
Rainforest Cabin	cbing10@gmail.com	3	<div>0</div>	<input type="radio"/>
Great Escape Lakeside	gburdell3@gmail.com	7	<div>0</div>	<input type="radio"/>
Tiny Rock House	msmith5@gmail.com	2	<div>0</div>	<input type="radio"/>

Booked Property Name	Amount Spent
Garden B&B	\$ 254.30

Back

Reserve Property

Screen 16: Customer  
Cancel Property  
Reservation

# Customer Cancel Property

Reservation Date	Property Name	Owner Email	Address	
12/24/21	Garden B&B	gburdell3@gmail.com	6000 Garden Aven...	<input checked="" type="radio"/>
12/12/21	Rainforest Cabin	cbing10@gmail.com	1625 Rainforest St...	<input type="radio"/>
01/29/22	Garden B&B	gburdell3@gmail.com	6000 Garden Aven...	<input type="radio"/>
02/28/22	Great Escape Lakeside	msmith5@gmail.com	225 Lakeside Driv...	<input type="radio"/>

Back

Submit

Screen 17: Customer  
Review Property

# Customer Review Property

Reservation Date	Property Name	Owner Email	Address	
9/24/21	Garden B&B	gburdell3@gmail.com	6000 Garden Aven...	<input checked="" type="radio"/>
7/12/21	Rainforest Cabin	cbing10@gmail.com	1625 Rainforest St...	<input type="radio"/>
6/29/21	Garden B&B	gburdell3@gmail.com	6000 Garden Aven...	<input type="radio"/>
6/28/21	Great Escape Lakeside	msmith5@gmail.com	225 Lakeside Driv...	<input type="radio"/>

I had an excellent time!

4

Back

Submit

Screen 18: Customer Rate  
Owner

# Customer Rate Owner

Reservation Date	Owner Email	Property Name	Address	Rating
9/24/21	gburdell3@gmail.com	Garden B&B	6000 Garden Aven...	<input type="text"/>
7/12/21	cbing10@gmail.com	Rainforest Cabin	1625 Rainforest St...	<input type="text"/>
6/29/21	gburdell3@gmail.com	Garden B&B	6000 Garden Aven...	<input type="text" value="3"/>
6/28/21	msmith5@gmail.com	Great Escape Lakeside	225 Lakeside Driv...	<input type="text" value="2"/>

Back

Submit



# View Properties

Capacity:  —

Name	Address	Description	Avg. Rating	Capacity	Cost <span>↑↓</span>
Garden B&B	6000 Garden Aven...	Beautiful, quiet B&B w...	4.3	4	\$ 254.30
Rainforest Cabin	7268 N. Smoky H...	Secluded cabin in a fo...	3.8	3	\$ 550.22
Great Escape Lakeside	844 Wrangler Roa...	Lakeside house with...	4.8	7	\$ 690.23
Tiny Rock House	68 Park St. Carroll...	Rock-cut tiny house i...	4.6	2	\$ 120.55
Glass cottage	80 James Street B...	House built with glass a...	4.1	9	\$ 401.44

Back

Filter

Screen 20: Customer  
View Individual Property  
Reservations



## View Property Reservations

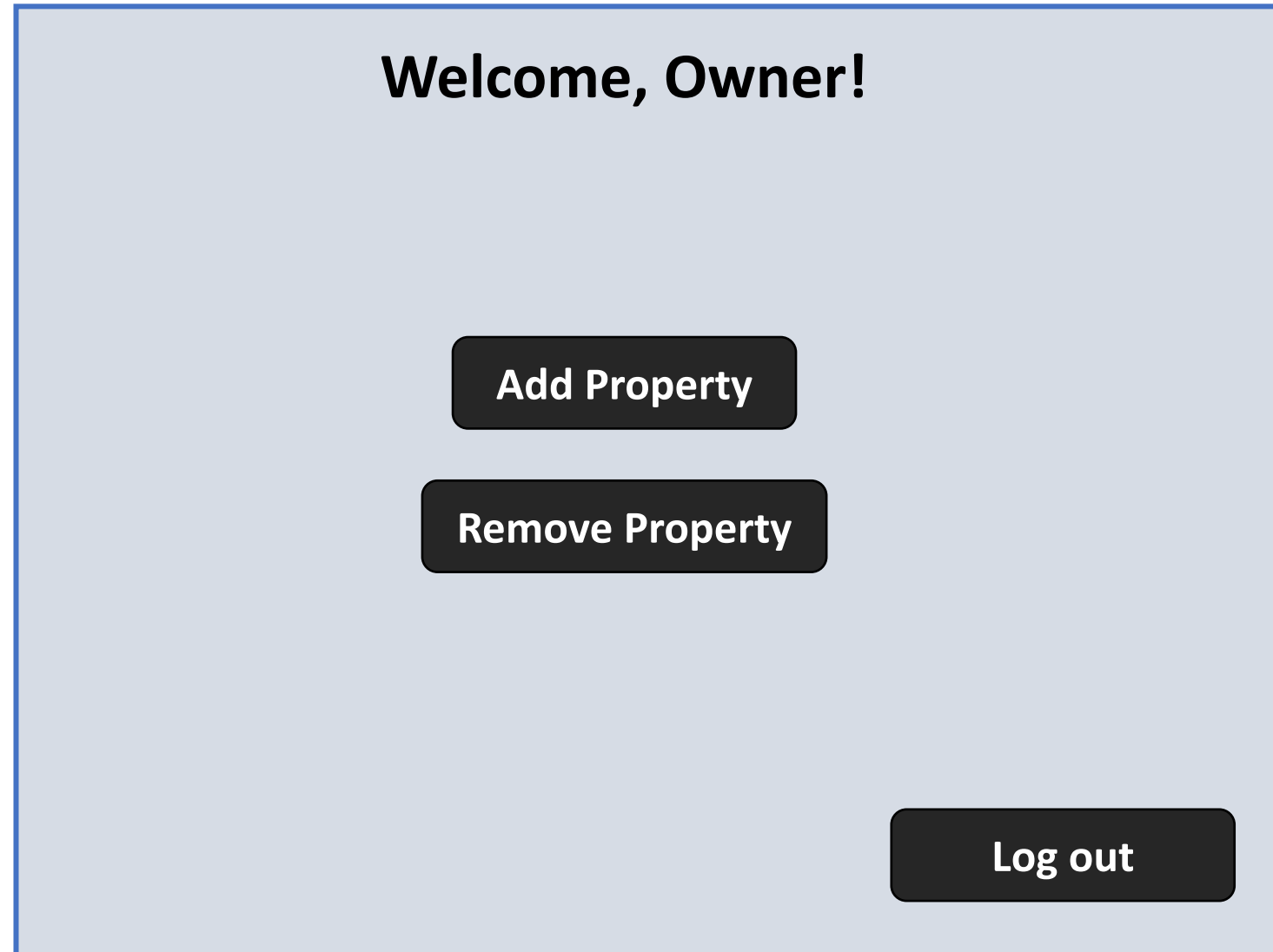
**Owner Email:** jamesbond@gmail.com      **Property:** Garden B&B

Property Name	Start Date	End Date	Cust. Phone #	Customer	Cost	Review	Rating
Garden B&B	10/24/21	11/01/21	+1(470)-301-5678	laracroft555@gmail.com	\$450	What a lovely place!	4
Garden B&B	09/14/21	09/17/21	+1(470)-987-6543	tombraider@gmail.com	\$300		

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Screen 21: Owner Home  
Screen



Screen 22: Owner Add  
Property

# Owner Add Property

Name:

House in Midtown

Description:

Beautiful property in the heart of Atlan...

Street:

1230 Atlantic St.

City:

Atlanta

State:

▼

GA

Zip:

30318

Nearest Airport:

ATL

Dist To Airport:

15

Capacity:

5

Cancel

Add

23

Screen 23: Owner Remove  
Property

Owner Remove Property

Property Name	Description	Capacity	Cost	Address	Select
Garden B&B	Beautiful, quiet B&B w...	4	\$254.30	6000 Garden Aven...	<input checked="" type="radio"/>
Rainforest Cabin	Romantic nature hom...	2	\$166.00	1625 Rainforest St...	<input type="radio"/>
Great Escape Lakeside	Close to water park, w...	6	\$200.00	225 Lakeside Driv...	<input type="radio"/>

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Remove Property

Screen 24: Owner Rate  
Customer

Owner Rate Customer

Reservation Date	Customer Email	Property Name	Address	Rating
9/24/21	pam123@gmail.com	Garden B&B	6000 Garden Aven...	<input type="text"/>
7/12/21	jim456@gmail.com	Rainforest Cabin	1625 Rainforest St...	<input type="text" value="2"/>
6/29/21	michael098@gmail.com	Garden B&B	6000 Garden Aven...	<input type="text" value="1"/>
6/28/21	dwright246@gmail.com	Great Escape Lakeside	225 Lakeside Driv...	<input type="text" value="4"/>

Back

Submit

Screen 25: Owner Deletes  
Account

## Delete Owner Account

Are you sure you want to delete your  
Owner account?

Delete Account

Back Log out