State Chart Diagram

Create Reminder

system status = "input ready"
display = "phone number"

entry/validated user
do: store phone number
exit/appointment terminated

Turns on reminders

Cancels appointment

Select edit reminder

Edit Reminder

system status = "input ready"
display = user inputs from create reminder

entry/edit reminder selected
do: store updated reminder settings
exit/reminder edited

Select save reminder

Send Reminder

Recieve Notificaiton

system status = "input ready"
display = notification message

entry/validated user
do: show reminder
exit/close out of reminder

User goes to appointment

System Sequence Diagram
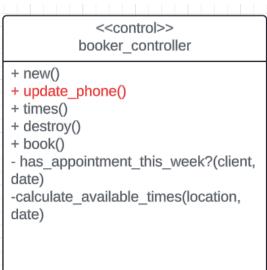
Client

Booker

1. **User requests to update phone number**

2. **Display successful or unsuccessful update message**

Detailed Class diagram

Things that are red is what our team added.

Test Cases

To test, start by creating a new account. Remember your first and last name you use for this account. Make sure to test each test in order because some test how the program handles missing information/inaccurate inputted information.

Functionality Tested	Inputs	Expected	Actual Output

		Output/Message	
UI prevents invalid phone number from being added to database	Go to appointments tab. Enter the phone number '124-232-3' into the phone, and click save preferences.	"Please match the requested format. "	
send_reminders_controller class doesn't send reminders when there are no appointments tomorrow for the user	Type 'rake reminder:send_reminders' in the terminal in the src folder	No message should be sent in the terminal. If a reminder is sent, a message to the terminal is sent.	
UI allows the user to input their phone number into the database	Go to appointments tab. Enter the phone number '732-870-7038' into the phone, and click save preferences.	"Phone number updated successfully"	
reminders are sent for clients with an appointment the following day	run the command 'rake appointment:create['First-name','Last-name"]', with the first name and last name you used for your account. Next run 'rake reminder:send_reminders' in the terminal as well.	After first command "Appointment successfully created for {first_name} {last_name} at Princeton on {date_of_appts-which should be tomorrow}." The second command should return "Message successfully sent to 732-870-7038 for appointment at Princeton.Message: Hello! Just a reminder: You have an appointment at Princeton on 12:00 AM tomorrow. See you there! Twilio Response: {response.sid}"	

After running the last test, you can also check the message that twilio actually received. Log into twilio using these credentials: username:jronny0037@gmail.com password:559512TCNJRonny!   . Once logged on, click on monitor->logs->messaging. You can click export to csv, which will download the csv file of the message log. The most recent logged message at the top of the csv should contain all the information from the last test in the message. Additionally it should be sent to the number listed in the

terminal as well from that last test. Be aware, sometimes it can take 5-10 minutes for the log on twilio to update.