Team A

Christopher Polloni, Raymond Limbog, Brian Khuu, Jia Chen, Raveena Beharry

Sprint 1 – Create Workspace

Task Breakdown:

Chris: Use-case description, domain class diagram, system sequence diagram
Brian: Set up pp.py, config.py, __init__.py
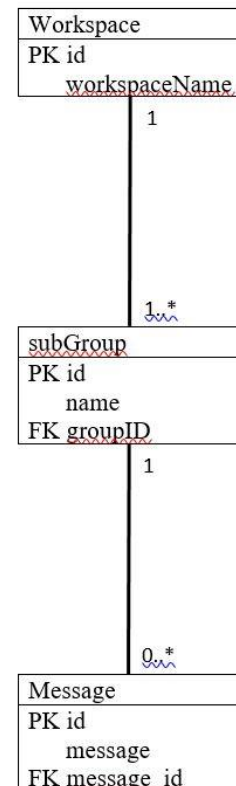Raymond: Set up models.py
Jia: Set up routes.py and basic html pages
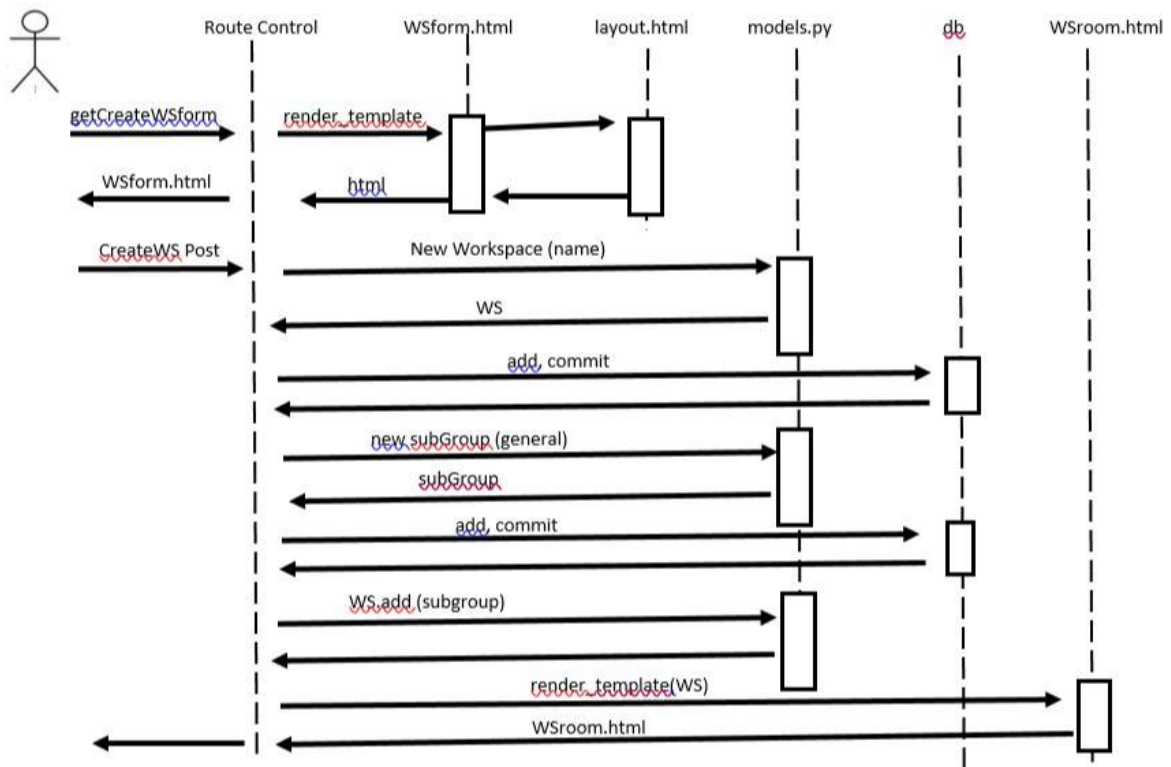Raveena: Designed UI templates using HTML and CSS

Use-Case Description:

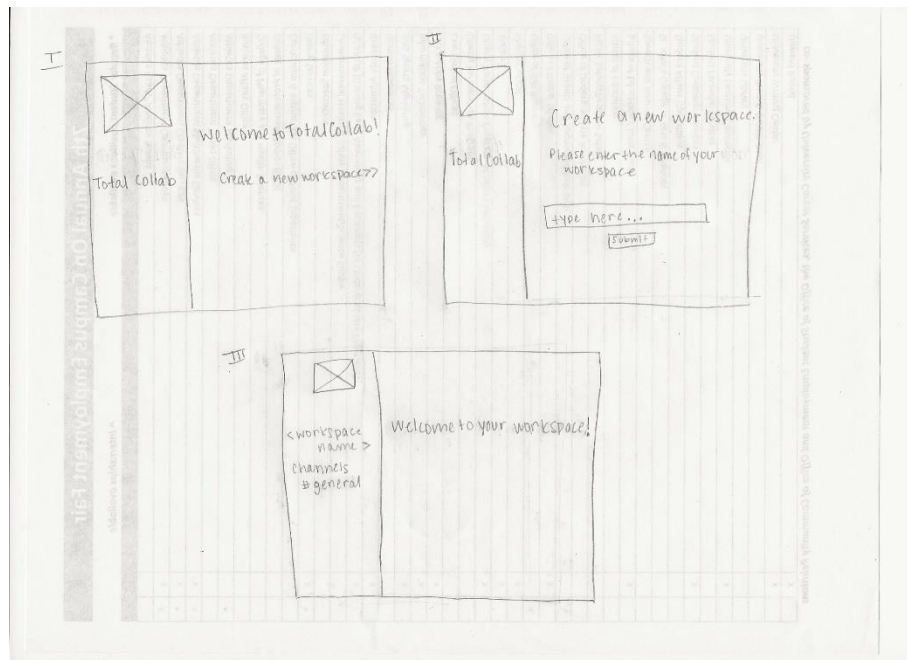| Use Case Name:	Create workspace.
Scenario:	Create online workspace.
Trigger Event:	User wants to create a workspace that they own.
Brief Description:	Online user creates workspace by entering the name they would like the workspace to have.
Actors:	User
Related Use Cases:	User registration, user login, create subgroup, send messages
Stakeholders:	Users
Preconditions:	User must be registered. User must be logged in.
Post Conditions:	Workspace must be created and saved. Subgroup named "general" must be created and saved. Subgroup must be associated with workspace.
Flow of Activities:	**Actor** 1. User indicates desire to create workspace. 2. User enters desired name.	**System** 1.1 System prompts user for workspace name 2.1 System creates workspace 2.2 System creates subgroup named "general" 2.3 System returns page with workspace name and for subgroup "general"
Exception Conditions:	

Domain Class Diagram:

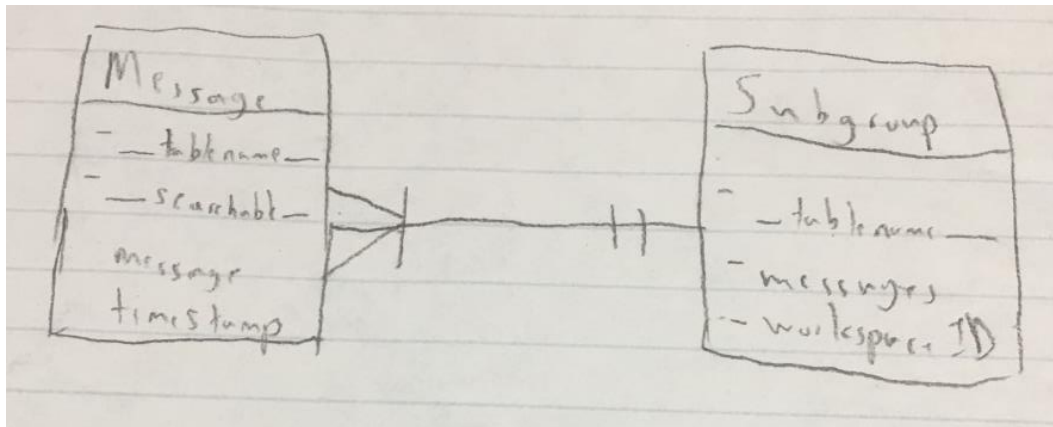## System Sequence Diagram:

Wireframe:

Status: Completed on-time. Anybody can create a workspace with the unique name they choose. A subgroup named "General" will automatically be created as well for the new workspace.
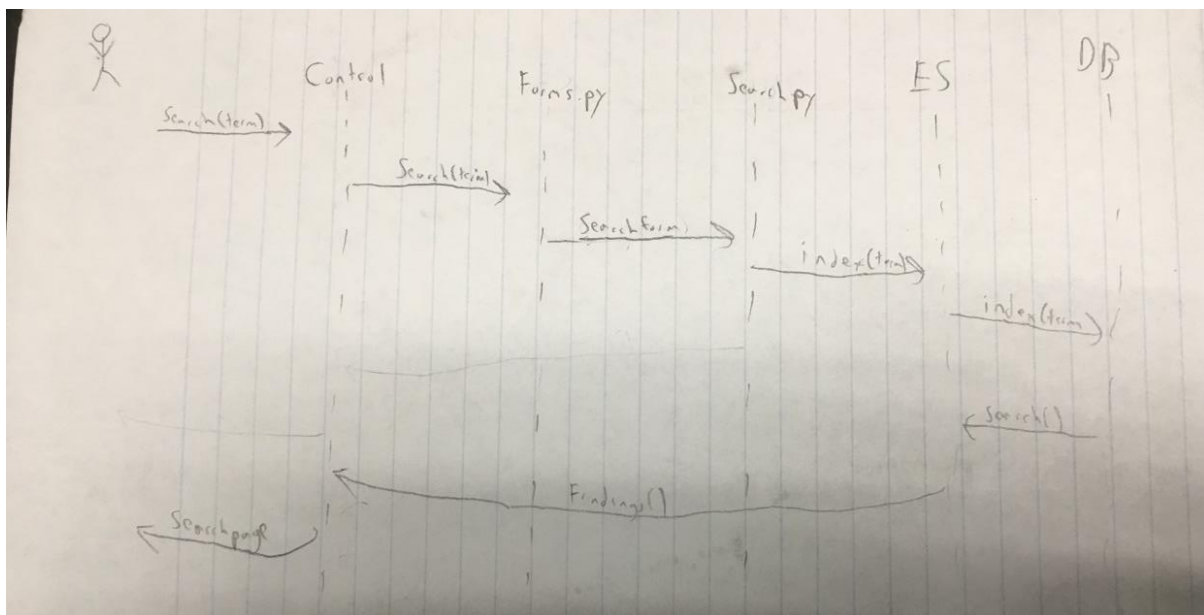
Sprint 2

Brian

Sprint Specification: Search messages. User would like to search for text in messages within current subgroup and be able to redirect to the subgroup page showing the messages above and below it.

Domain Class Diagram:

System Sequence Diagram:

Files Altered: config.py, __init__.py, forms.py, models.py, routes.py, search.py, base.html, search.html, subgroup.html

Status: Completed after Sprint 4. Attempted to use Elasticsearch as a search engine for messages, but did not work. Also tried to use whooshalchemy to search messages, but did not work either. Complete this use case by following the method used in Chris' Sprint 4 use case of searching through users.
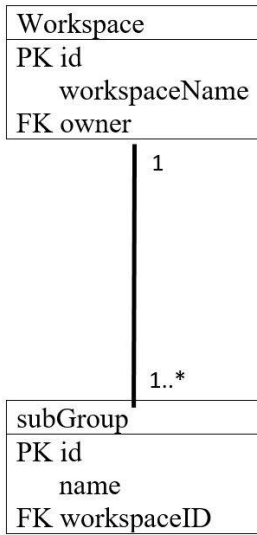
Chris

Sprint Specification: Add subgroup. Workspace Owner would like to create new subgroups that all current members of the workspace can view it and send messages in it.
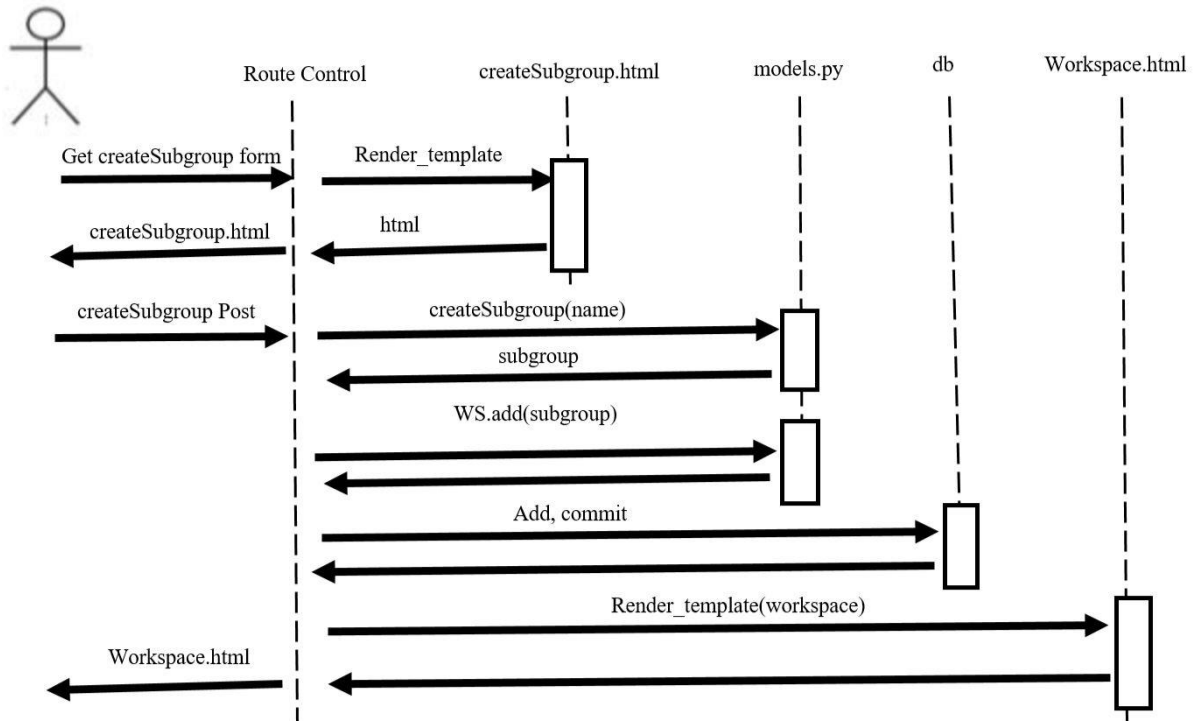
Use Case Description:

Use Case Name:	Add Subgroup	
Scenario:	Add a subgroup to an existing workspace	
Trigger Event:	Workspace owner would like to add a subgroup to his workspace	
Brief Description:	Workspace owner creates a new subgroup by entering the name he would like the subgroup to have	
Actors:	Workspace owner	
Related Use Cases:	Create workspace, send messages	
Stakeholders:	Workspace owner, users	
Preconditions:	User must be registered. User must be logged in. User must be the workspace's owner.	
Post Conditions:	Subgroup with desired name must be created and saved. Subgroup must be associated with current workspace.	
Flow of Activities:	**Actor**	**System**
	1. Workspace owner indicates desire to add subgroup.	1.1 System prompts user for subgroup name.
	2. Workspace owner enters desired name.	2.1 System creates subgroup with desired name and linked to proper workspace 2.2 System returns page for current workspace with new subgroup name and link on sidebar.
Exception Conditions:	User indicating desire to add subgroup is not the workspace owner.	

Domain Class Diagram:
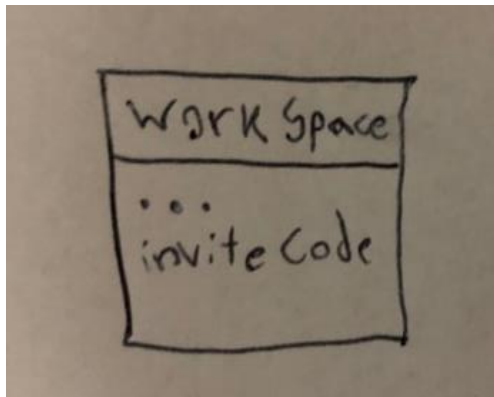

System Sequence Diagram:

Files Altered: models.py, routes.py, workspace.html, createSubgroup.html

Status: Completed on time. Workspace owner can add subgroups with the name of their choice to their workspace. Names are allowed to be repeated across different workspaces.
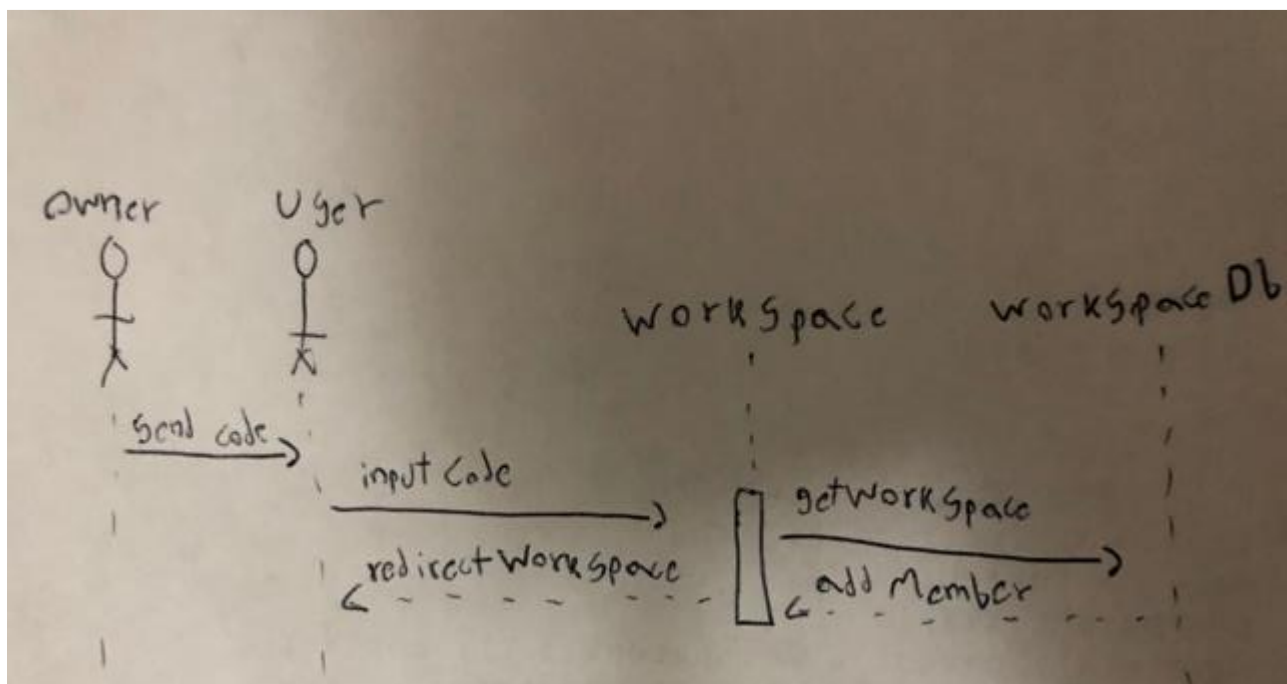
Jia

Sprint Specification: Workspace Invitations. Workspace owner would like to generate an invitation code so other users can join the workspace and contribute to the subgroups.

Domain Class Diagram:

System Sequence Diagram:

Files Altered: routes.py**,** models.py, forms.py

Status: Completed on time. Workspace owner can generate invite code to share manually with user who can input it to join the workspace. When new code is generate, old codes expire.
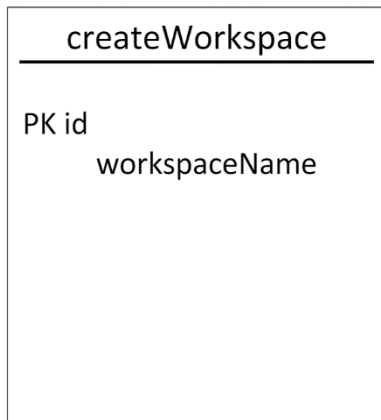

Raveena

Sprint Specification: Search workspaces. Generate a smaller list of workspaces you belong to so you can click it and be redirected into the workspace.
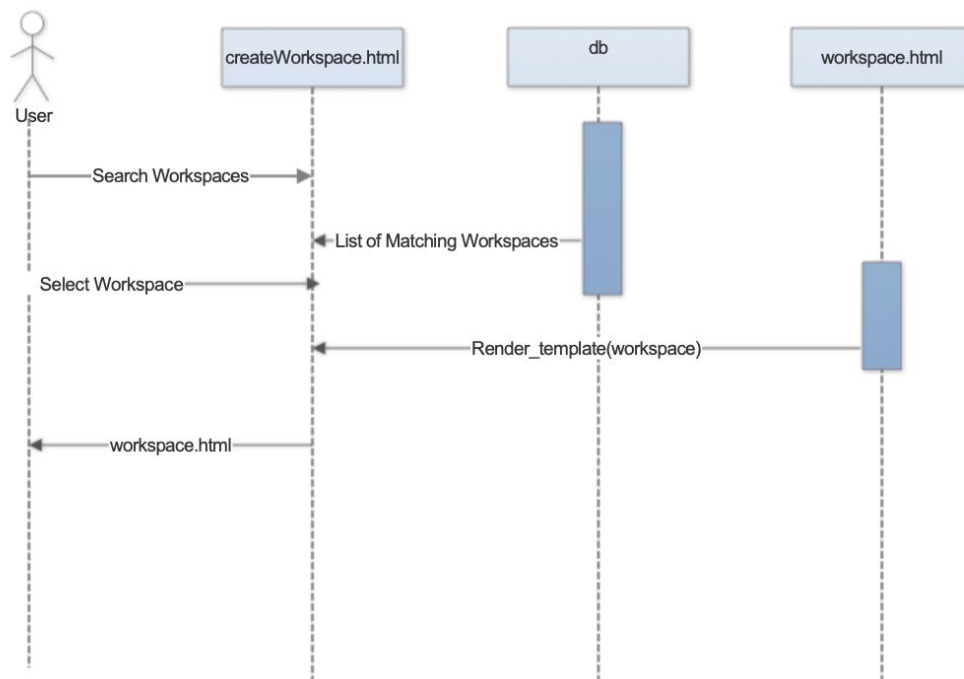
Use Case Description:

Use Case Name:	Search through existing workspaces.	
Scenario:	User has multiple workspaces and wants a searchbar to search through them.	
Trigger Event:	User wants to search through their list of workspaces.	
Brief Description:	User has more than one workspace and wants to have a search bar rather than scroll through a list of their workspaces.	
Actors:	User	
Related Use Cases:	Search through messages	
Stakeholders:	Users	
Preconditions:	User has to have more than one workspace already created	
Post Conditions:	User is taken to their requested workspace	
Flow of Activities:	**Actor**	**System**
	1 User indicates desire to search through their workspaces.	1 System prompts user for workspace name
	2 User enters the desired workspace name in the searchbar.	2 System returns a list of workspaces matching the users query
	3 User gets back a list of workspaces and clicks on the one they want.	3 System returns workspace page that matches the user's query.
Exception Conditions:		

Domain Class Diagram:

createWorkspace
_____
PK id
    workspaceName

System Sequence Diagram:

Sequence Diagram: Search Workspaces

Files Altered: createWorkspace.html

Status: Completed on time. Dropdown list on navigation bar with all workspaces the current user is a member of. Can type to search for a specific workspace and the list shrinks as the user types.
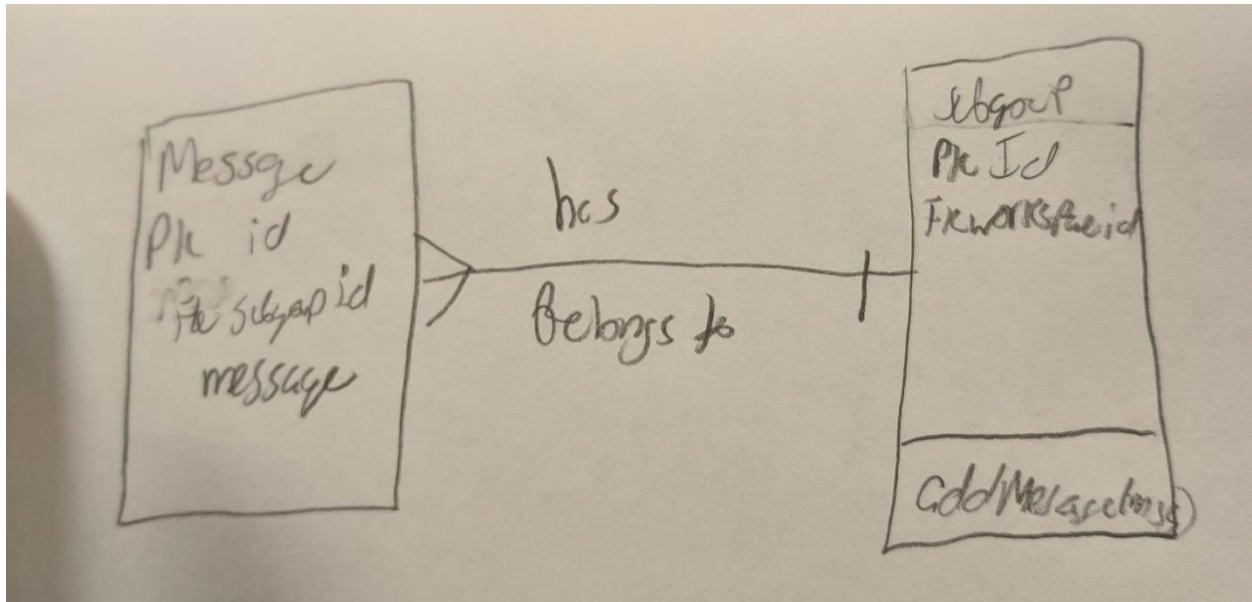
Raymond

Sprint Specification: Sending/receiving real-time messages. Users would like to be able to send messages and receive them without refreshing the page. Using Ajax
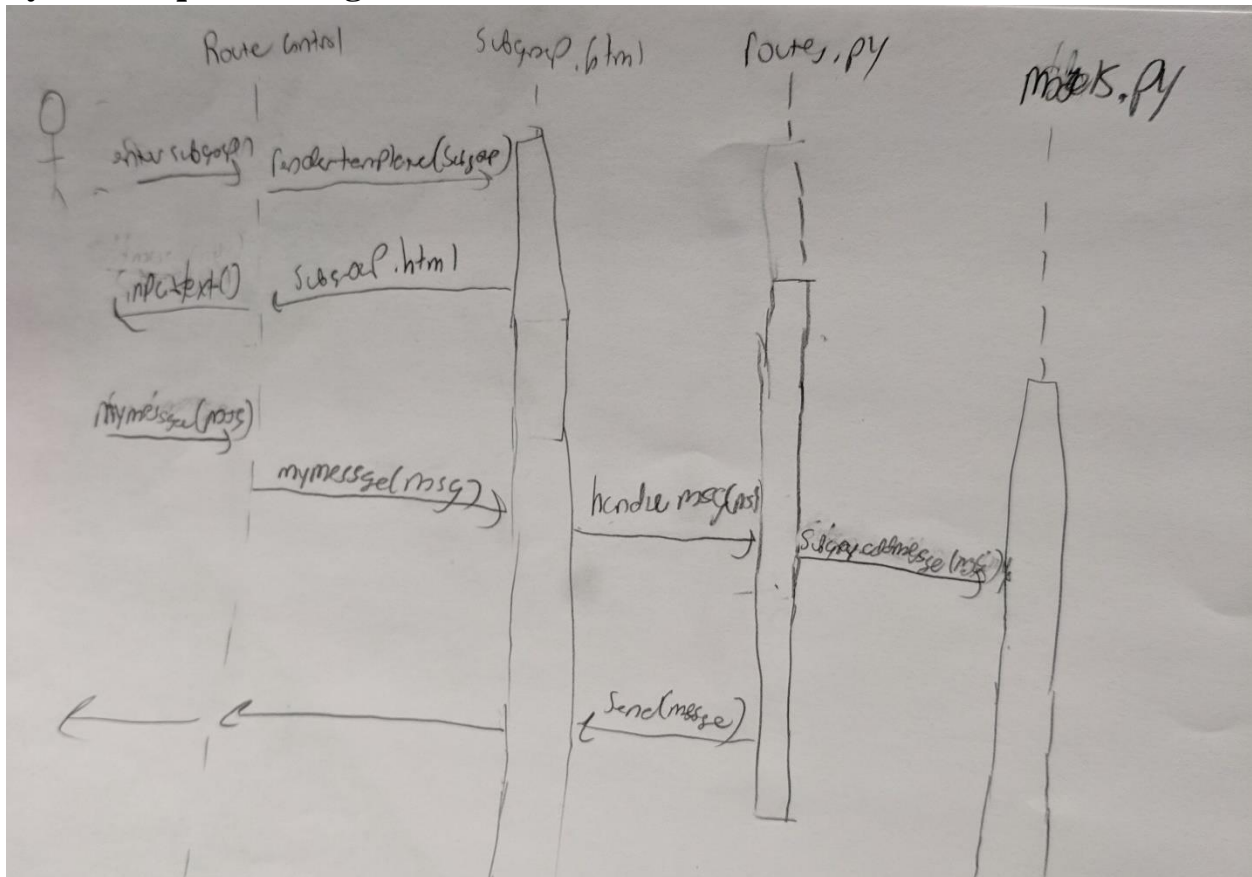
Use Case Description:

Use Case Name:	Implement a real time chat system
Scenario:	User is viewing a subgroup and decides to send a message to other users within the same subgroup
Trigger Event:	The user wants to add a message to the text chat
Brief Description:	A user can send and view messages within a group without the page refreshing
Actors:	User
Related Use Cases:	Shared document that everyone can work on
Stakeholders:	Users
Preconditions:	User must be using a subgroup
Post Conditions:	Ability to view oncoming messages without refreshing the page
Flow of Activities:	**Actor**
	1 User types a message into the text box
	2 User submits the desired message within the chat
Exception Conditions:	

System
1 Submit form issued for the message
2.1 System adds message to the database
2.2 System returns message in the subgroup room

Domain Class Diagram:

System Sequence Diagram:

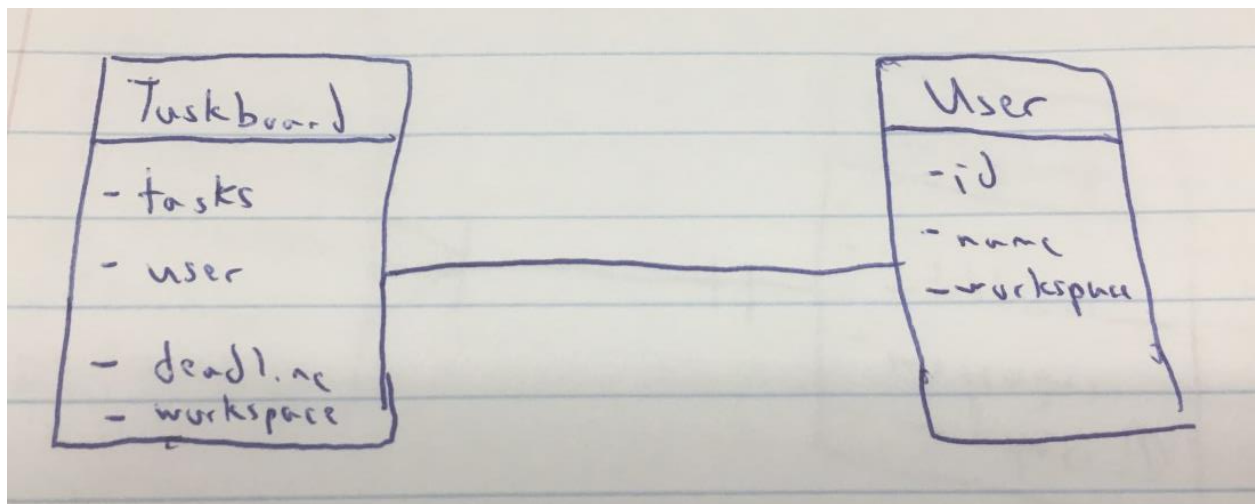**Files Altered:** subgroup.html, models.py, routes.py

Status: Completed on time. Users can send and receive messages in real-time within a workspace.
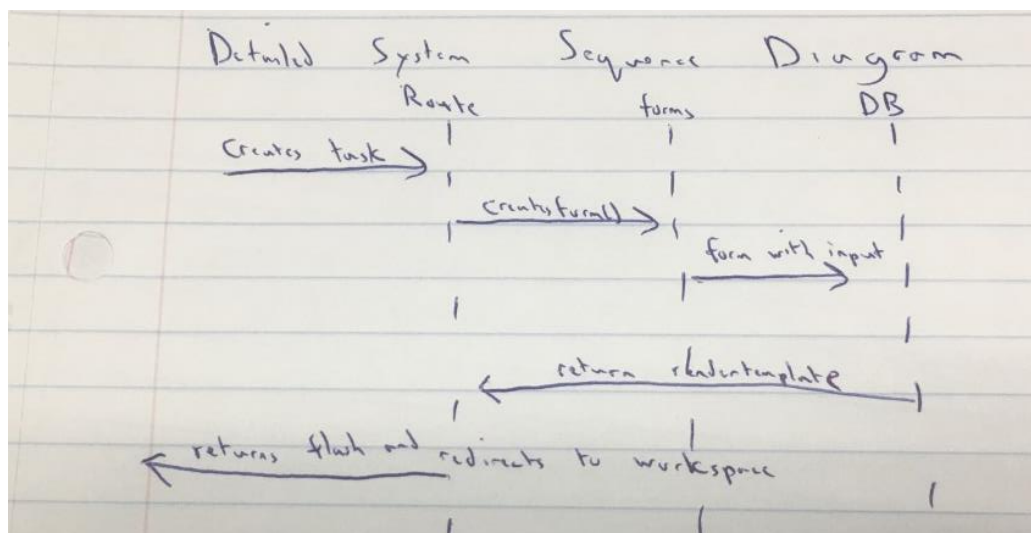
Sprint 3

Brian

Sprint Specification: Add and organize a workspaces' tasks

Domain Class Diagram:

System Sequence Diagram:

Files Altered: forms.py, models.py, routes.py, workspace.html

Status: Completed on time. Tasks can be added to a specific workspace and be viewed on the workspace home screen.
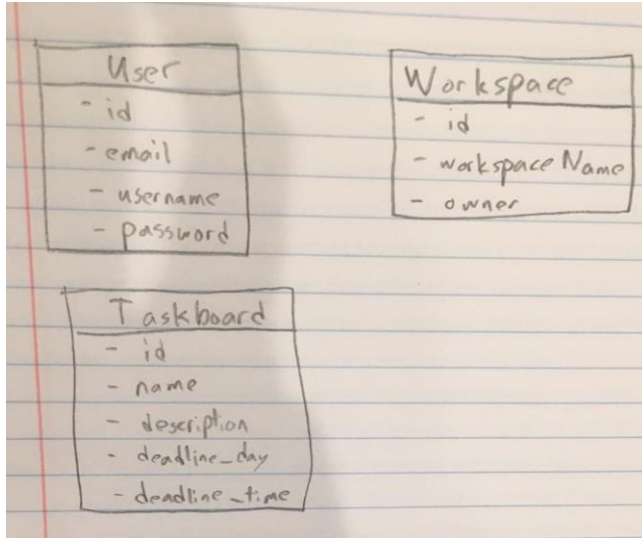
Chris

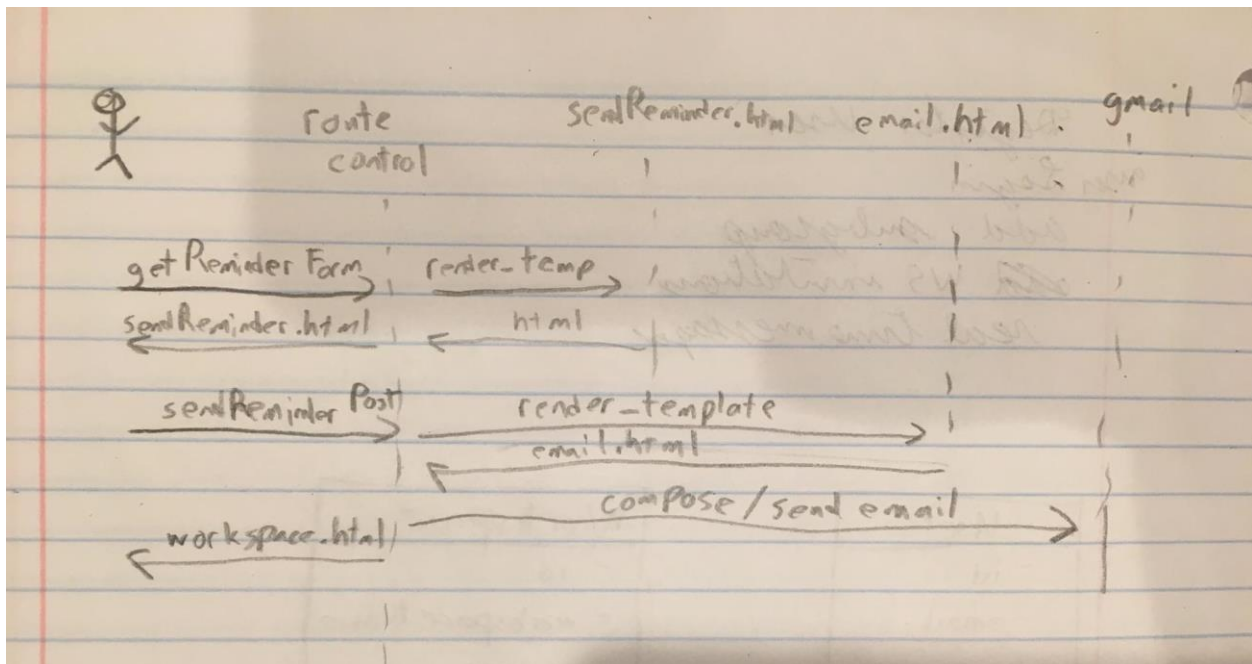**Sprint Specification:** Send deadlines reminders to the e-mail of members of a workspace.

Use Case Description:

Use Case Name:	Send Task Reminder Email	
Scenario:	Workspace owner would like to send a reminder email about a task	
Trigger Event:	Workspace owner indicates desire to send reminder email about a specific task.	
Brief Description:	Workspace owner selects which task to send reminder email about. Also chooses email subject line and additional email content	
Actors:	Workspace owner	
Related Use Cases:	Create tasks	
Stakeholders:	Workspace owner, users	
Preconditions:	User must be registered. User must be logged in. User must be the workspace's owner.	
Post Conditions:	All members of workspace receive reminder email	
Flow of Activities:	**Actor**	**System**
	1. Workspace owner indicates desire to send email reminder about specific task 2. Workspace owner enters desired information.	1.1 System prompts user for email subject line and additional message content. 2.1 System sends email to all members of current workspace with the information input by workspace owner. 2.2 System redirects to page for current workspace.
Exception Conditions:	User indicating desire to send email is not the workspace owner.	

Domain Class Diagram:

System Sequence Diagram:

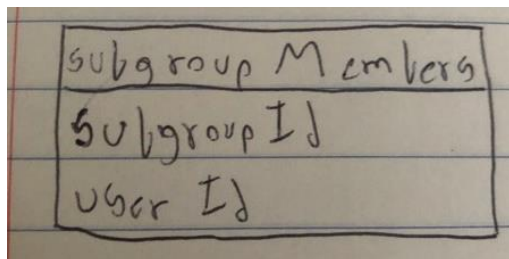**Files Altered:** config.py, __init__.py, models.py, routes.py, workspace.html, sendReminder.html, emailReminder.html,

Status: Completed on time. Workspace owner can select which task to send reminder for. Owner enters subject line and additional comments for email and email is sent to all workspace members.
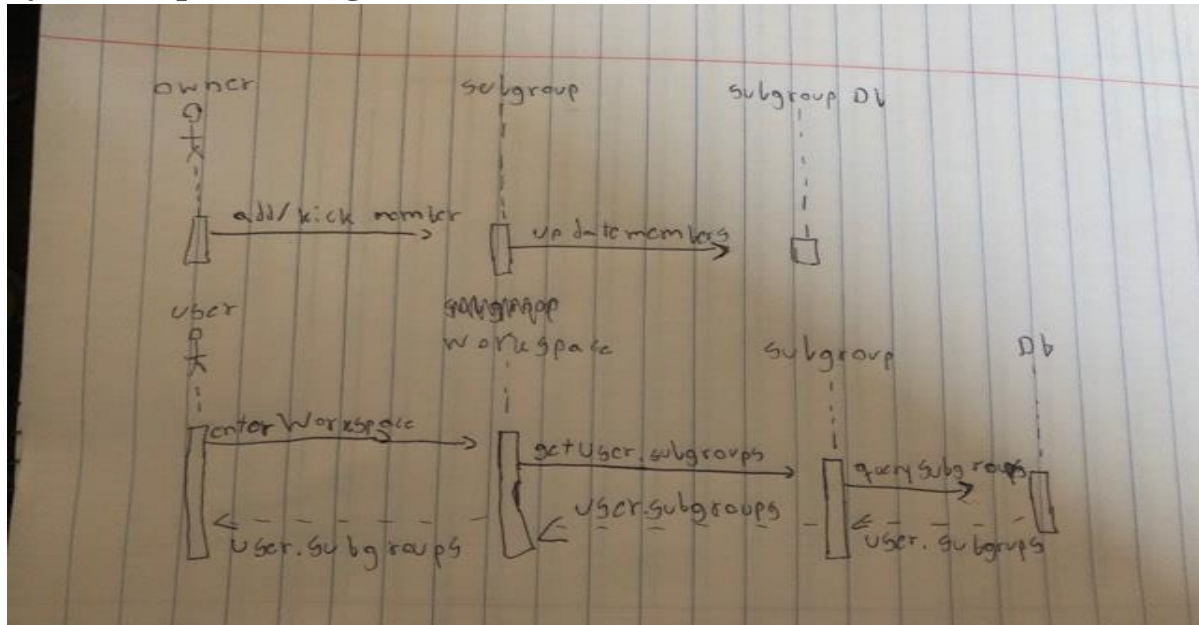
Jia

Sprint Specification: Manage the members that can interact with a specific subgroup

Domain Class Diagram:

System Sequence Diagram:

Files Altered: routes.py, models.py, subgroup.html, manage.html

Status: Completed on time. Upon entering a workspace, members do not have access to any subgroups. Workspace owner can grant and remove access for each member for each subgroup.
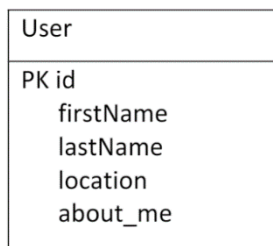
Raveena

Sprint Specification: et profile with information about the user so the user can be scouted for project
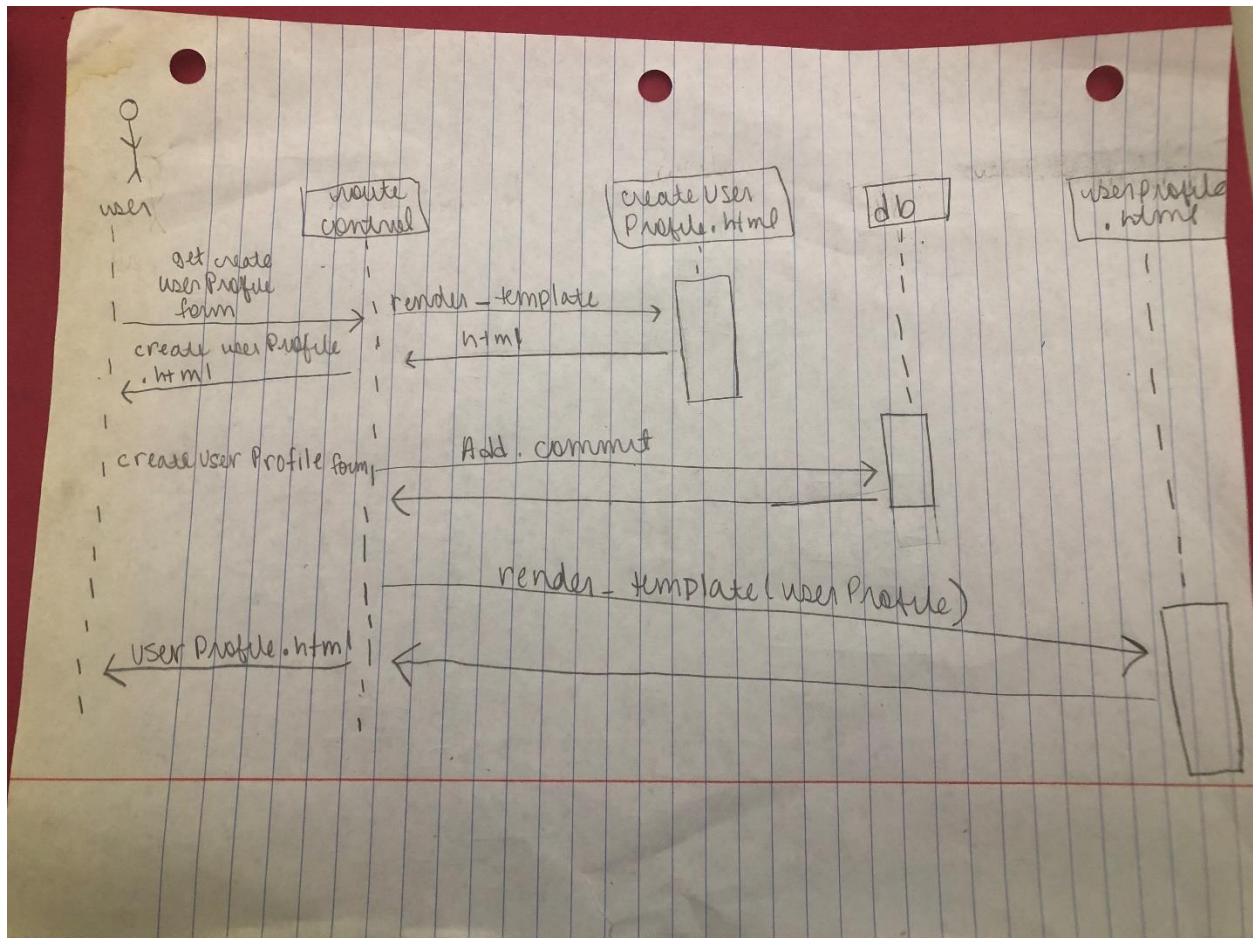
Use Case Description:

Use Case Name:	Create a user profile.	
Scenario:	As a user, I want to be able to create a profile, so that people can look at my interests and information about me.	
Trigger Event:	The user wants to create or edit their profile.	
Brief Description:	The use case is initiated by a user wanting to create or edit a profile with information about themself.	
Actors:	User	
Related Use Cases:	Creating a workspace	
Stakeholders:	Users	
Preconditions:	Must be a registered user.	
Post Conditions:	Ability to view and edit their profile information.	
Flow of Activities:	**Actor**	**System**
	1 User fills out information to create a profile.	1 Posts forms with user entered information, adds and commits the information needed to create a user profile.
	2 User can view and update their profile.	2.1 System renders the userProfile template with their information.
Exception Conditions:		

Domain Class Diagram:

User

PK id
firstName
lastName
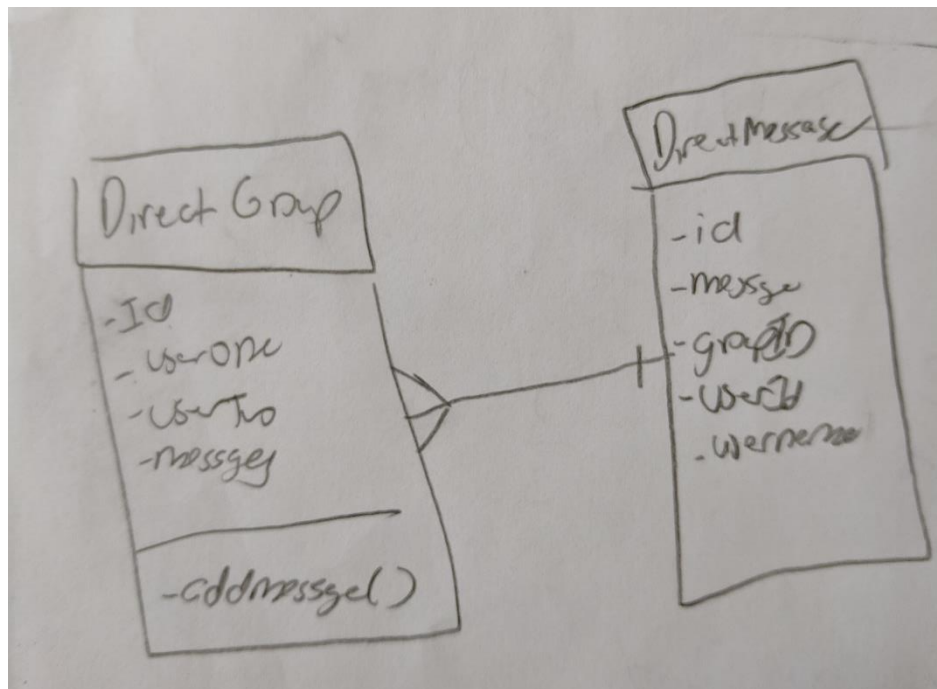location
about_me

System Sequence Diagram:

Files Altered: createUserProfile.html, userProfile.html, forms.py, models.py, routes.py

Status: Completed on time. Users can create and edit their profile by providing their first and last name, location, and short bio. Can also view their current profile.
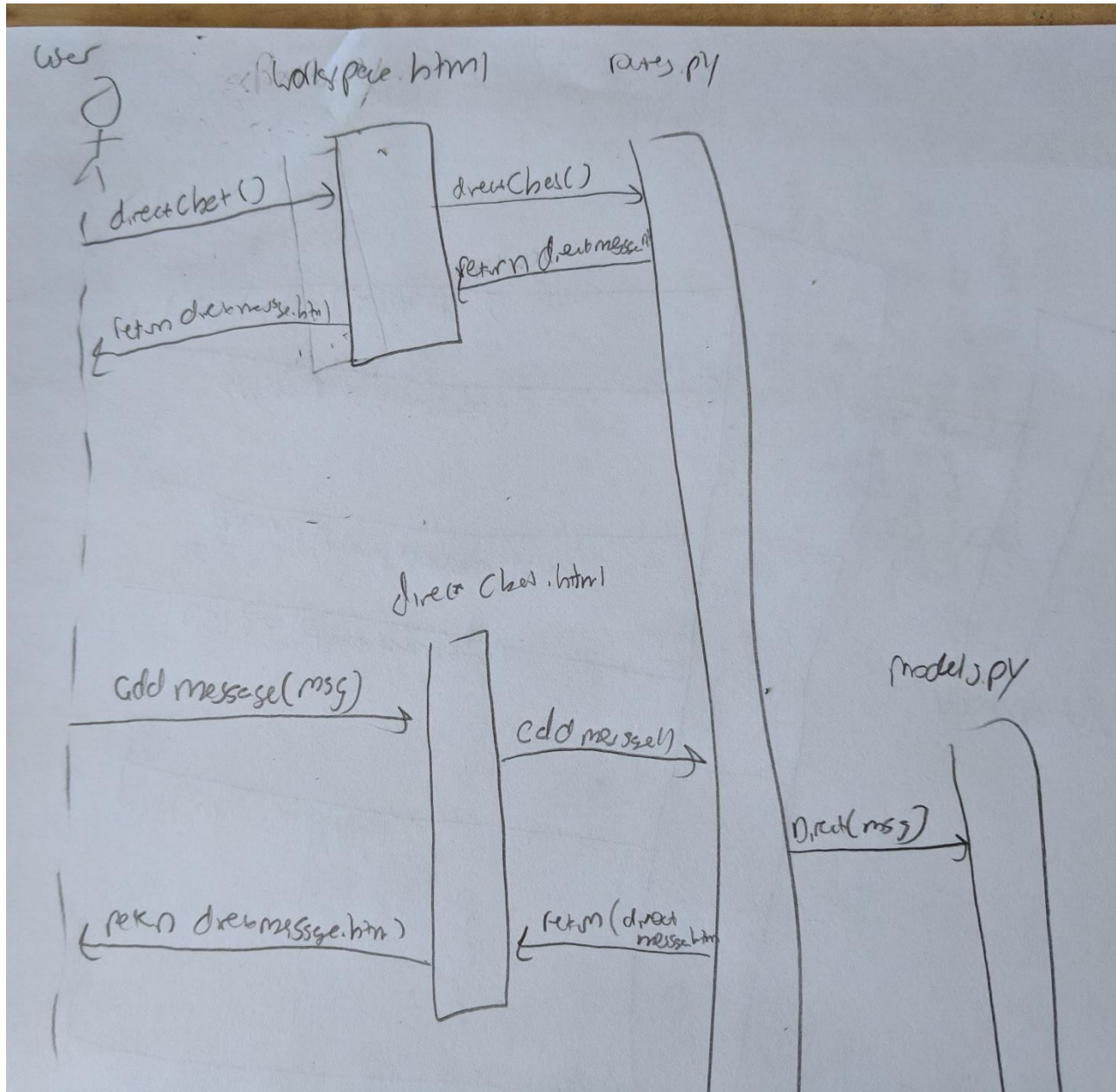
Raymond

Sprint Specification: Direct message other members of a workspace

Domain Class Diagram:

Direct Group

- Id
- UserOne
- UserTo
- messges

- addmessge()

DirectMessage

- id
- messge
- grapID
- userId
- username

System Sequence Diagram:

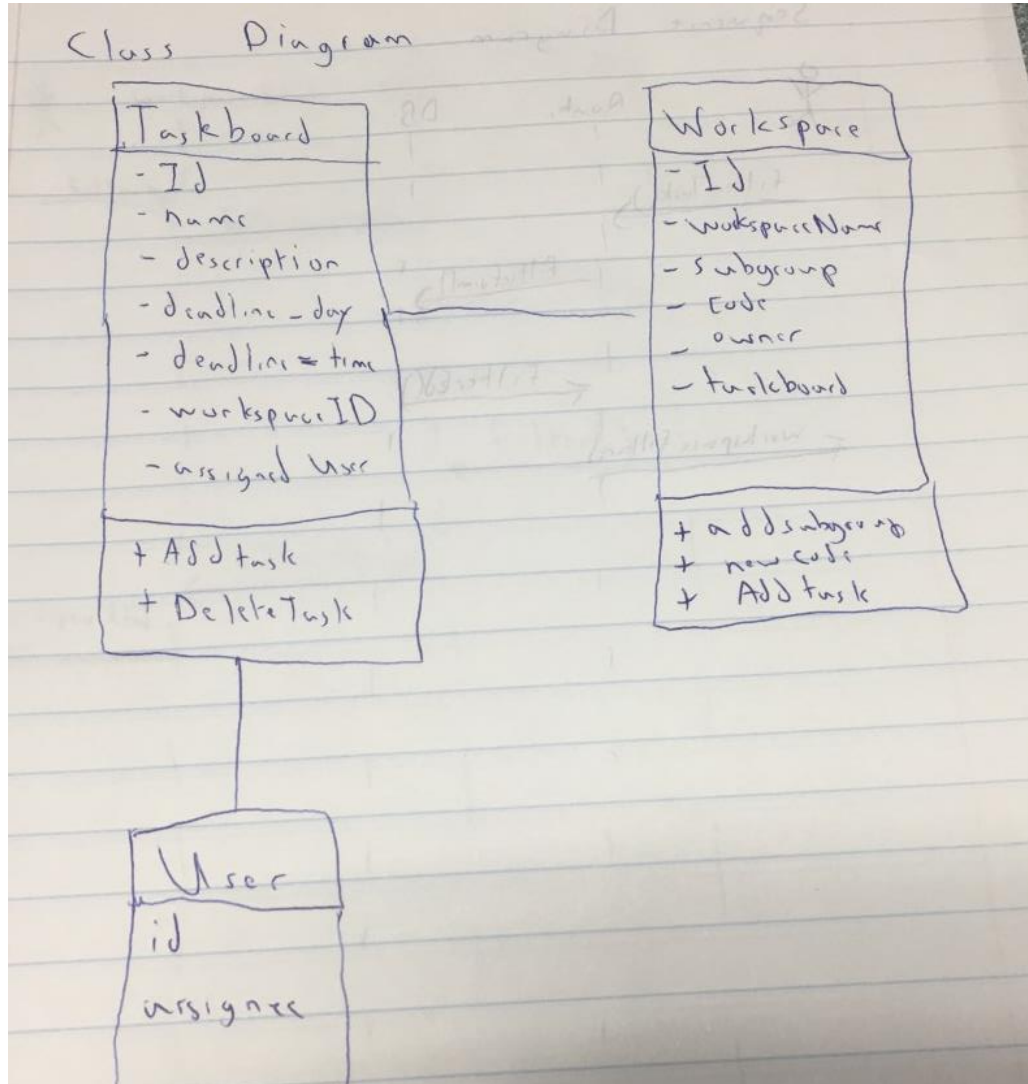**Files Altered:** DirectChat.html, routes.py, models.py

Status: Completed on time. Users can start a direct message with a user from a mutual workspace and messages are real-time
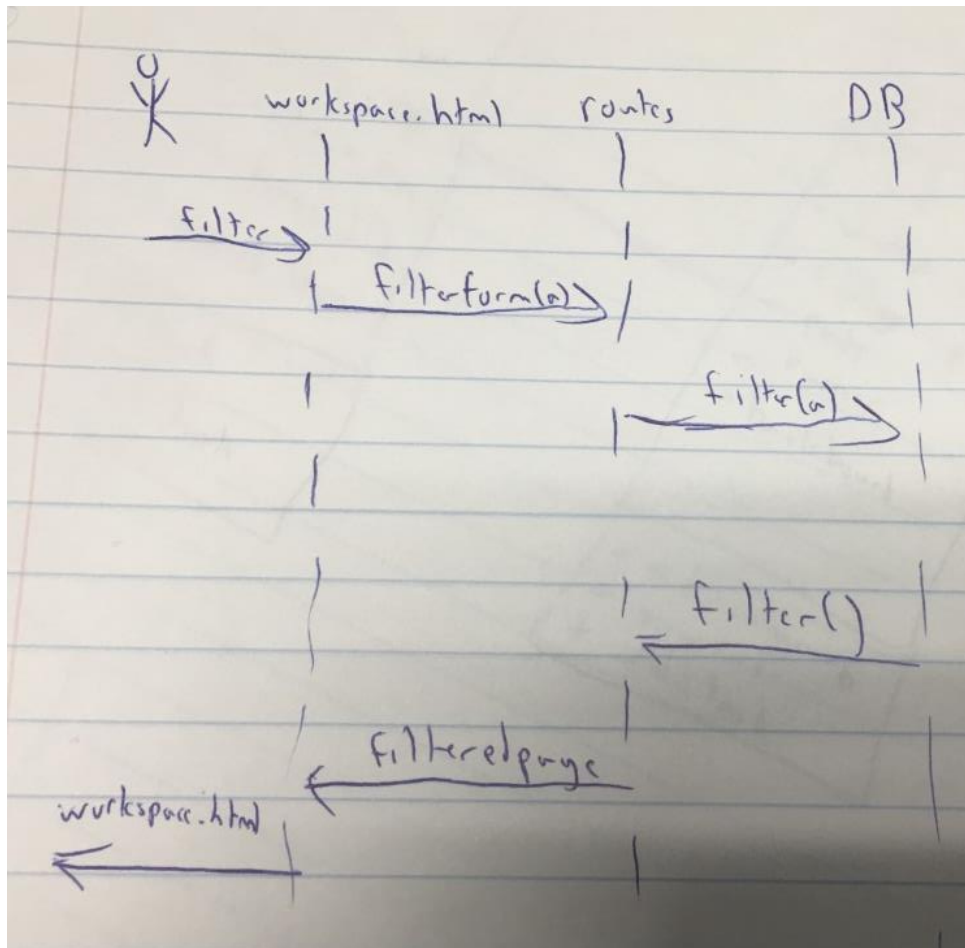
Sprint 4

Brian

Sprint Specification: Filter tasks using categories that a user has set.

Domain Class Diagram:

System Sequence Diagram:

Files Altered: workspace.html, models.py, routes.py, taskboard.html, taskboardDelete.html
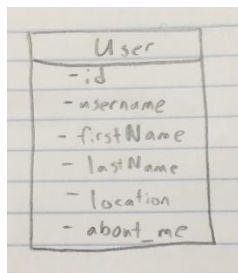
Status:

Chris

Sprint Specification: Users can be able to search for other users. They can view other people's profiles, and add them to their workspace.
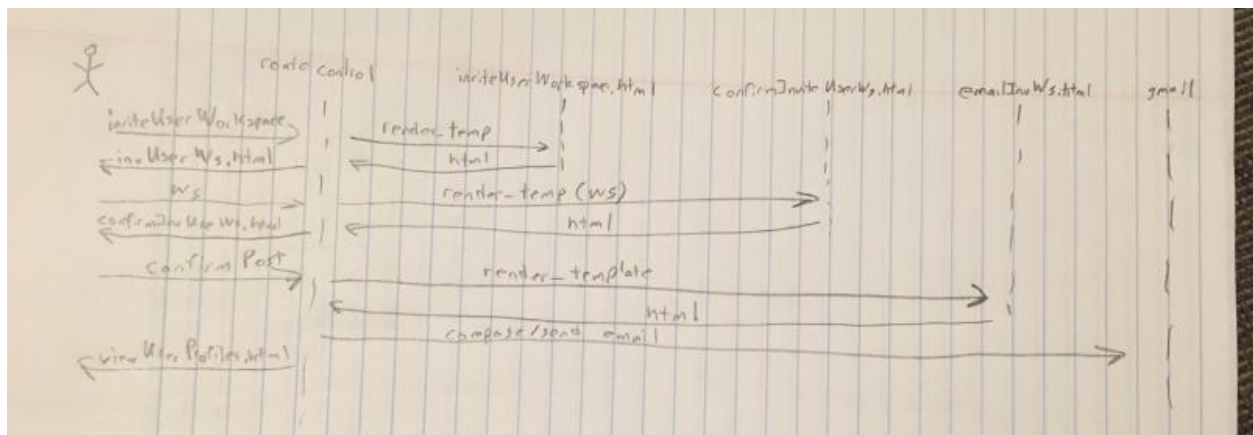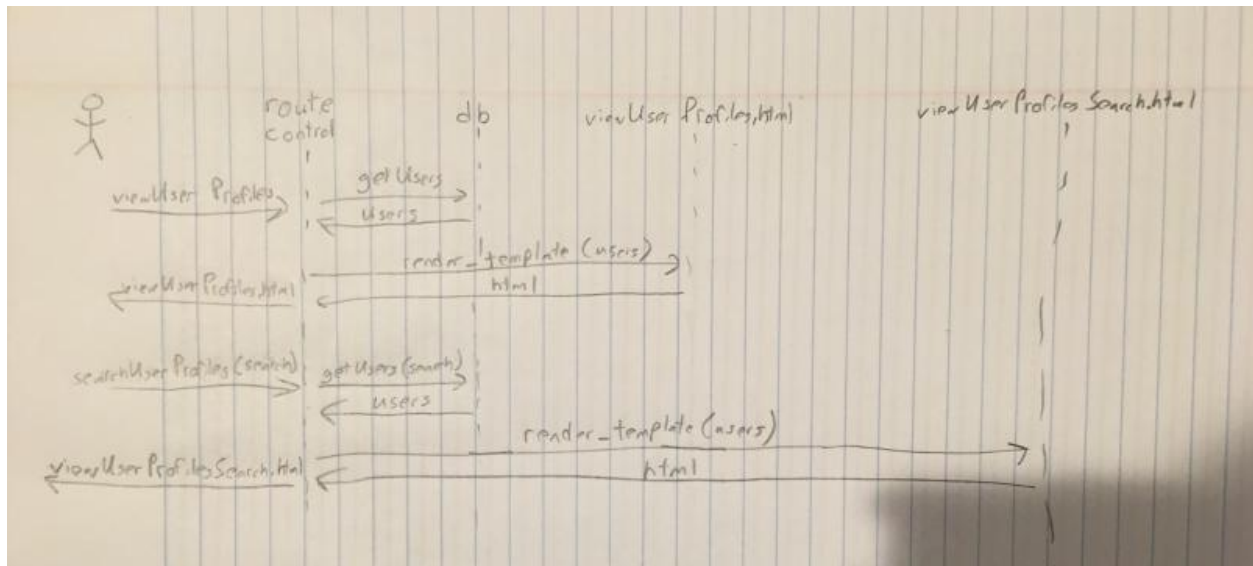
Use Case Description:

Use Case Name:	Send Invitation to Workspace
Scenario:	Workspace owner would like to send a user an invitation to his workspace
Trigger Event:	Workspace owner indicates desire to send invitation email for a specific workspace
Brief Description:	Workspace owner selects which user to send invitation email to. Also chooses which workspace invitation is for.
Actors:	Workspace owner
Related Use Cases:	Join workspace
Stakeholders:	Workspace owner, users
Preconditions:	Other user must be registered. Current user must be the workspace's owner. User must not be a member of the current user's workspace
Post Conditions:	Selected user receives invitation email to selected workspace

Flow of Activities:	**Actor**	**System**
	1. Workspace owner indicates desire to send invitation email to a user.	1.1 System prompts user to select a workspace
	2. Workspace owner selects desired workspace.	2.1 System prompts user to confirm his decision to send confirmation email.
	3a Workspace owner hits cancel	3.1a Current user is redirected to previous page
	3b Workspace owner hits confirm	3.1b Email is sent to selected user
Exception Conditions:	.	

Domain Class Diagram:
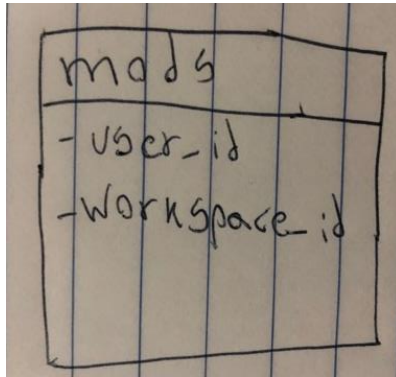
System Sequence Diagram:

Files Altered: routes.py, viewUserProfiles.html, inviteUserWorkspace.html, confirmInviteUserWorkspace.html, emailInviteWorkspace.html

Status: Completed on time. Users can view all user profiles, users can search for users based on username. Workspace owners can invite other users to their workspaces via email which contains the invite code.
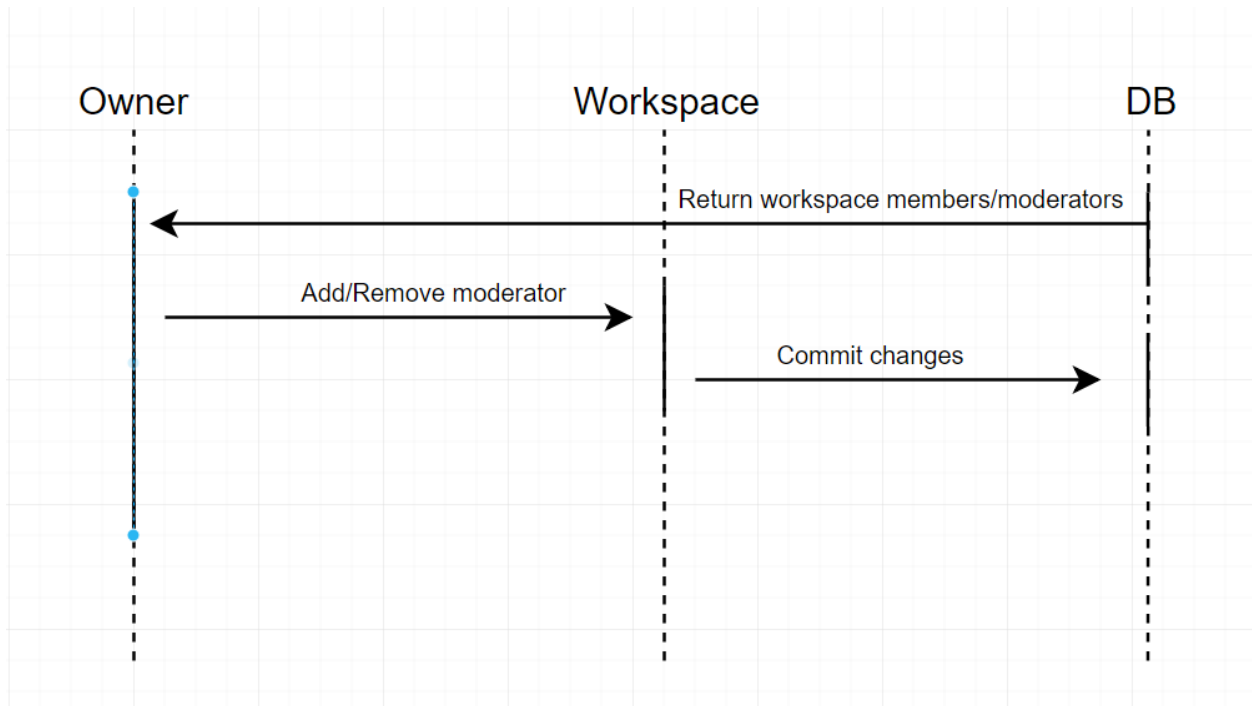
Jia

Sprint Specification: Ability for the administrator of a workspace to give other members of the group certain privileges that the administrator has (Moderators).

Domain Class Diagram:

System Sequence Diagram:

Files Altered: routes.py, models.py, subgroup.html, mods.html

Status: Completed on time. Workspace owner can add and remove members to moderator status. Moderators have the ability to retrieve workspace
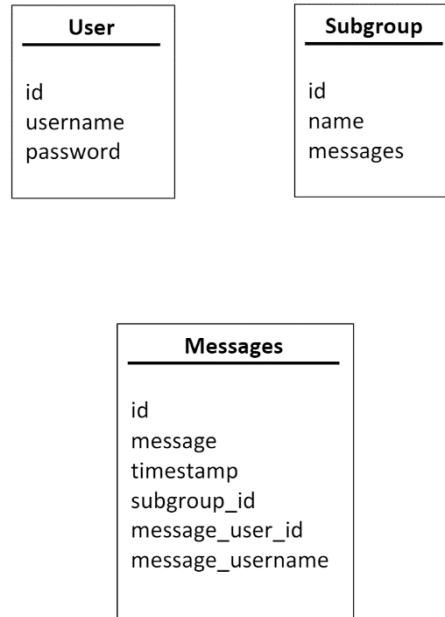
Raveena

Sprint Specification: Implement a way to display the status of users. Some of the status messages are online, offline, away, etc.
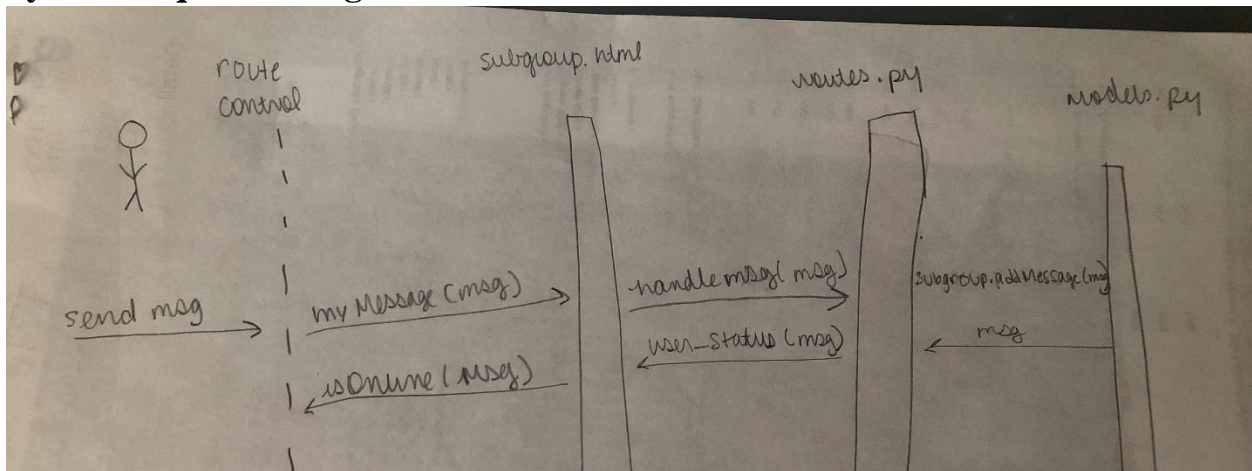
Use Case Description:

Use Case Name:	User Status	
Scenario:	As a user, I want to be able to view which users are online within my subgroup.	
Trigger Event:	User indicates desire to see which users are online within their subgroup.	
Brief Description:	The use case is initiated by a user wanting to view which users are online so they send a message.	
Actors:	User	
Related Use Cases:	Subgroup	
Stakeholders:	Users	
Preconditions:	Must be a registered user. Must be logged in.	
Post Conditions:		
Flow of Activities:	**Actor** 1 User sends a message.	**System** 1 System displays that message in the chat interface. 1.1 System renders a thumbs up next to the user that sent the message to show they are online.
Exception Conditions:		

Domain Class Diagram:

User

id
username
password

Subgroup

id
name
messages

Messages

id
message
timestamp
subgroup_id
message_user_id
message_username

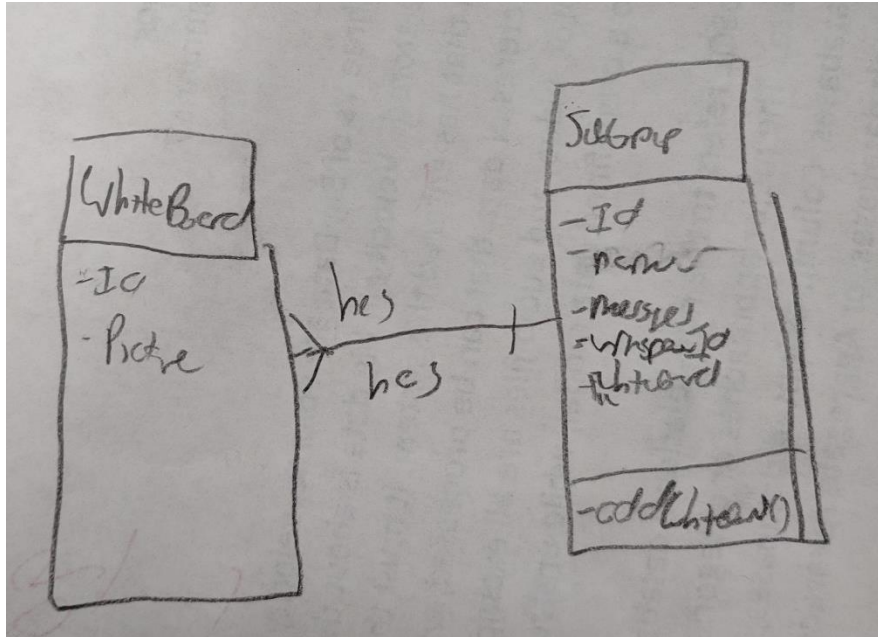# System Sequence Diagram:

Files Altered: subgroup.html, routes.py

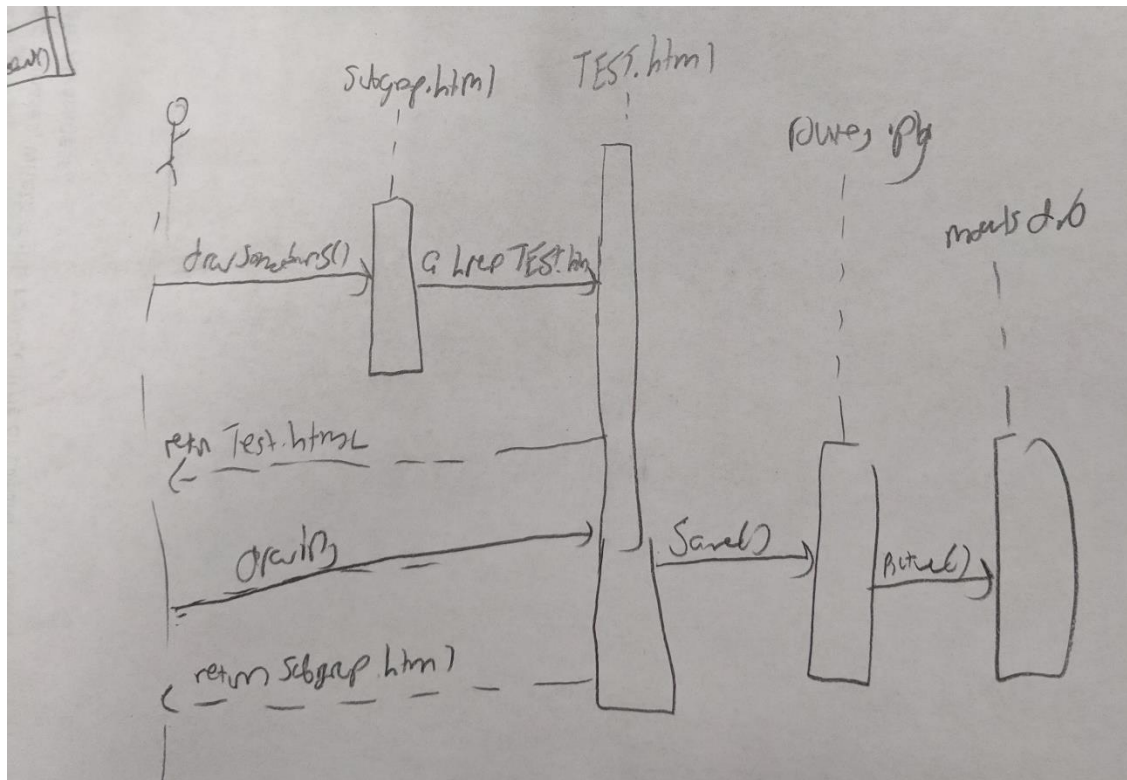**Status:** Work in progress. Has gone to office hours multiple times in order to work it out.

Raymond

Sprint Specification: Create a functioning whiteboard that acts as its own subgroup. Other members that are in this subgroup can write on it.

Domain Class Diagram:

System Sequence Diagram:

Files Altered: drawing.html, models.py, routes.py

Status: Completed. Subgroup members can draw on a canvas and upload it to the subgroup for all other subgroup members to see.