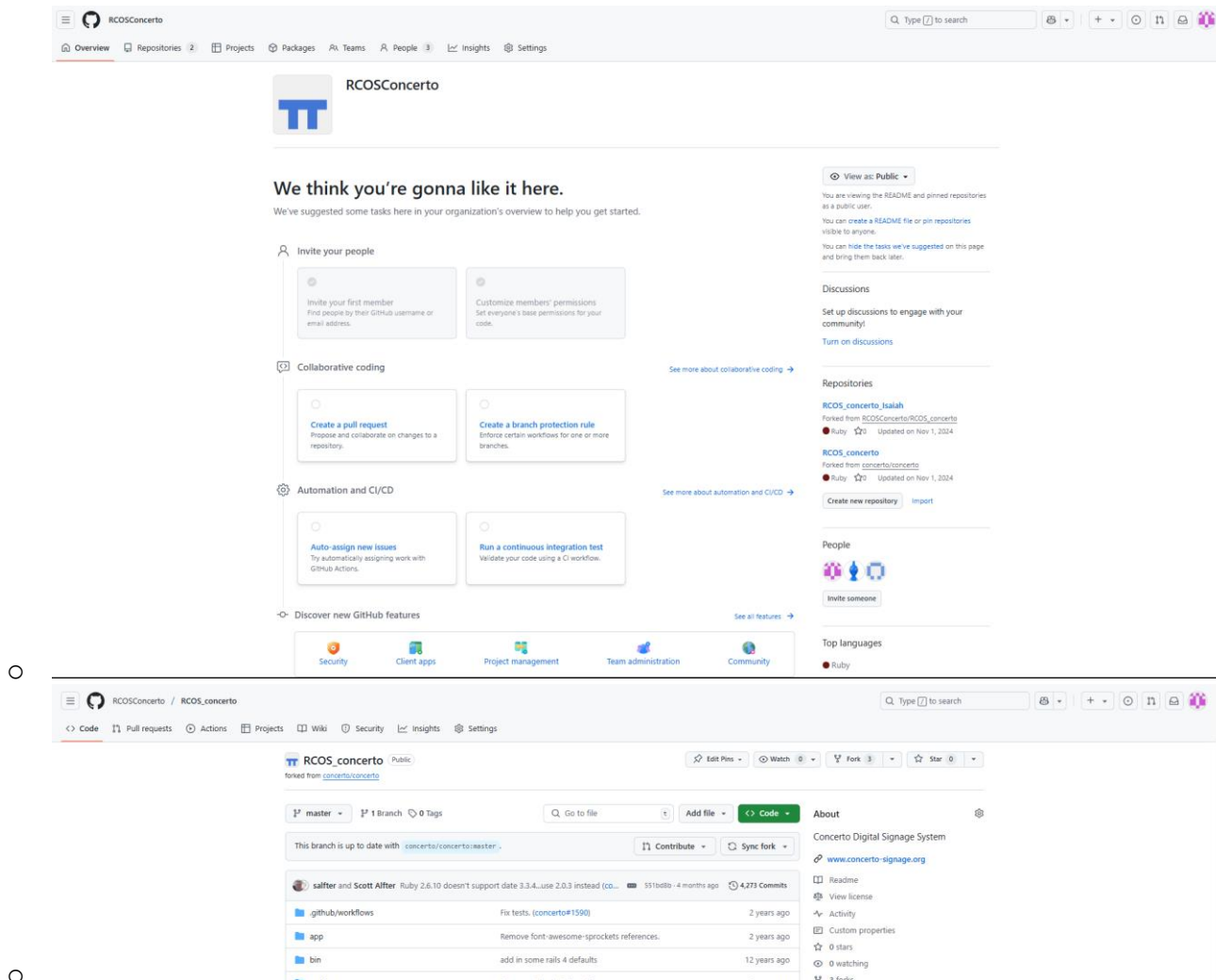


# Midyear summary

## Project management:

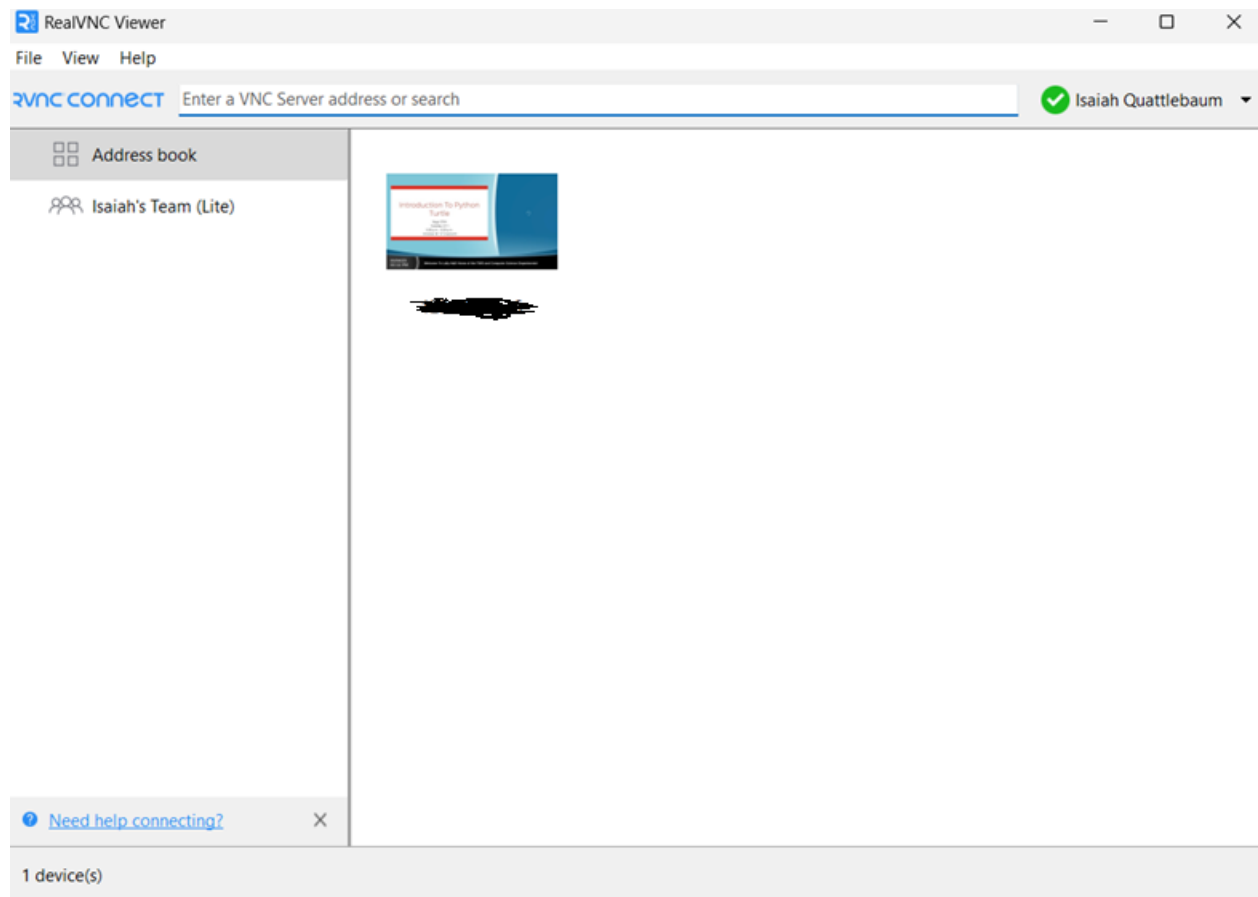
- Jonathan and I spent the first week of project meetings onboarding Madhav. Here are some of the things I helped him with:
  - Helping him create a local implementation of Concerto.
  - Teaching him how to use the tools we utilize (SSN, Ruby, Docker, SQL, and Remote Desktop)
- **Github organization:**
  - I created a Github organization (RCOSConcerto) in order to create an organizational structure that will scale with new project members (until this semester, Jonathan and I were the only members).



## Project work:

- **Remote Desktop:**

- I installed and set up VNC on the Raspberry Pi, so that we could use RealVNC remote desktop into the Pi. This allows us to see what's being displayed, as well as utilize the Pi's GUI, without needing to physically connect to the device.



- **Launch Concerto on startup script:**

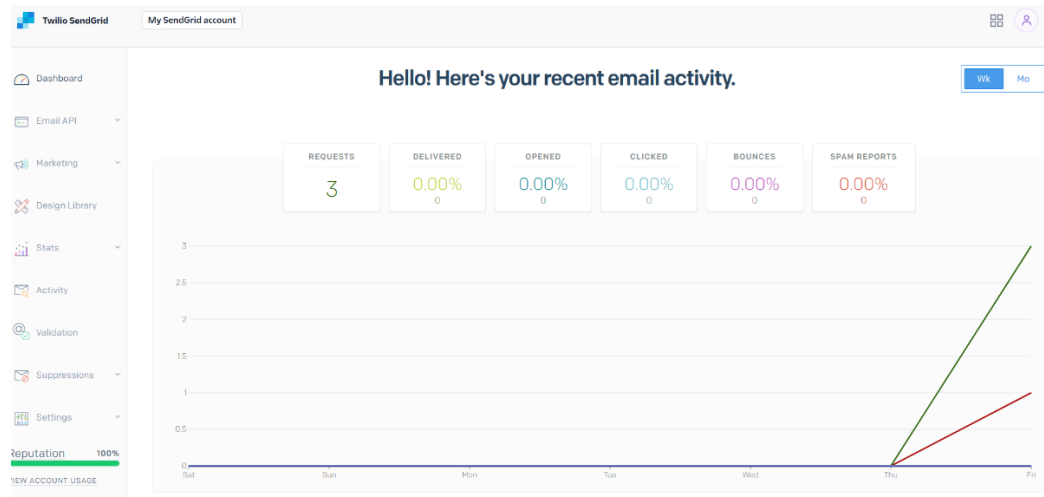
- Jonathan and I designed a script that kicks off a Concerto implementation last semester, and I've been building upon the script. I added a new functionality that launches the script when the Raspberry Pi boots up. Before, the script needed to be launched manually by an admin (either me, Jonathan, or Madhav), so this was a pretty nice quality-of-life upgrade.

- **Working on the email bug:**

- We're currently dealing with a bug that prevents emails from being sent by our Concerto installation. This means that vital functions such as "forgot my password" don't work. These are some of my attempts at fixing this bug.
  - I reinstalled Sendmail and configured it to suit our needs, such as changing what port Sendmail utilizes. I added a logging directory, which showed that emails were being sent, however recipients still weren't receiving these emails.

```
concerto-admin@raspberrypi:~$ telnet smtp.gmail.com 25
Trying 2607:f8b0:4004:c1b::6c...
^X^C
concerto-admin@raspberrypi:~$ telnet smtp.gmail.com 587
Trying 2607:f8b0:4004:c1b::6d...
Connected to smtp.gmail.com.
Escape character is '^['.
220 smtp.gmail.com ESMTP 6a1803df08f44-6e8976ec1f8sm28960026d6.121 - gsmt
```

- So, I created a SMTP server using the Sendgrid API, which confirmed what was shown by the logging I captured.



- My current theory is that the "bug" is due to emails sent from the Raspberry Pi being filtered since we don't have a Domain. We previously discussed how to setup a Domain with Dr. Turner, so, hopefully, when that's created, the bug will be resolved.