Introduction - BMCMemberTracker##

This application will be used by the officers of the TAMU Badminton Club

Link to GitHub: `https://github.com/andres-blanco1785/BMCMemberTracker.git`

Requirements

This code has been run and tested on:

- Ruby - 3.0.2p107
- Rails - 6.1.4.1
- Ruby Gems - Listed in `Gemfile`
- PostgreSQL - 13.3

External Deps

- Docker - Download latest version at https://www.docker.com/products/docker-desktop
- Git - Download latest version at https://git-scm.com/book/en/v2/Getting-Started-Installing-Git

Installation

Download this code repository by using git:

```
git clone https://github.com/andres-blanco1785/BMCMemberTracker.git
```

Tests

An RSpec test suite is available and can be ran using:

```
rspec spec/
```

We also used RuboCop to check Syntax `rubocop`

Execute Code

Run the following code in Powershell if using windows or the terminal using Linux/Mac

```
cd BCMMemberTracker

docker run --rm -it --volume "$(pwd):/rails_app" -e DATABASE_USER=test_app -e
DATABASE_PASSWORD=test_password -p 3000:3000
dmartinez05/ruby_rails_postgresql:latest

cd rails_app
```

Install the app

```
bundle install && rails webpacker:install && rails db:create && db:migrate
```

Run the app

```
rails server --binding:0.0.0.0
```

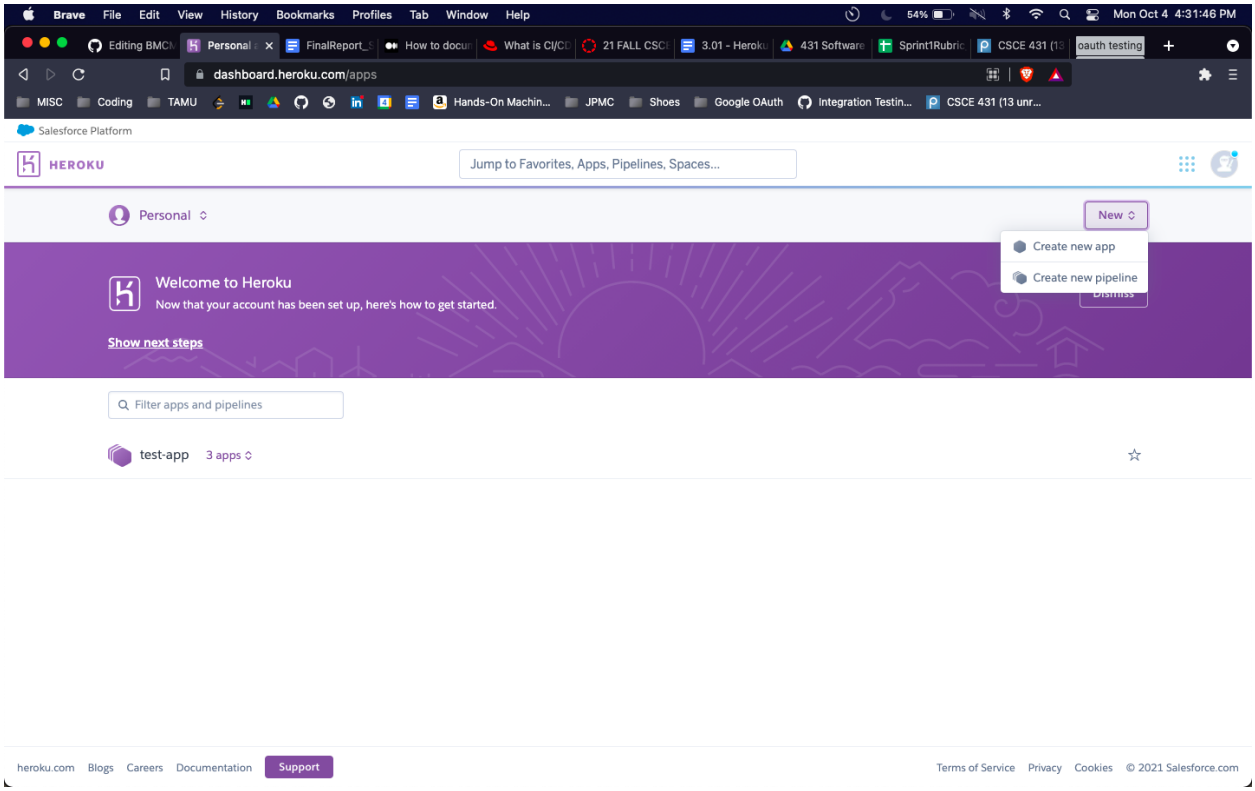
The application can be seen using a browser and navigating to http://localhost:3000/

Deployment

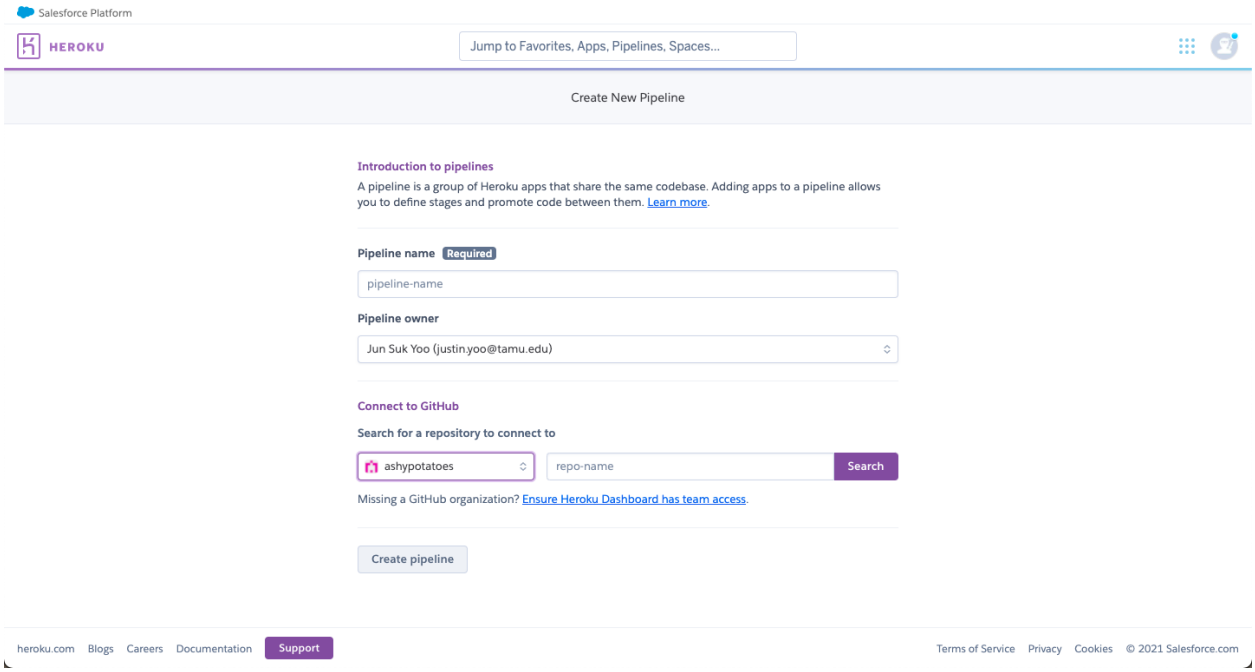
** Instructions about how to deploy to Heroku Before we begin, make sure your Git repository has 3 separate branches - main, test, and dev.

1. Create an account with Heroku (https://signup.heroku.com/)
2. Go to your dashboard (https://dashboard.heroku.com/apps)

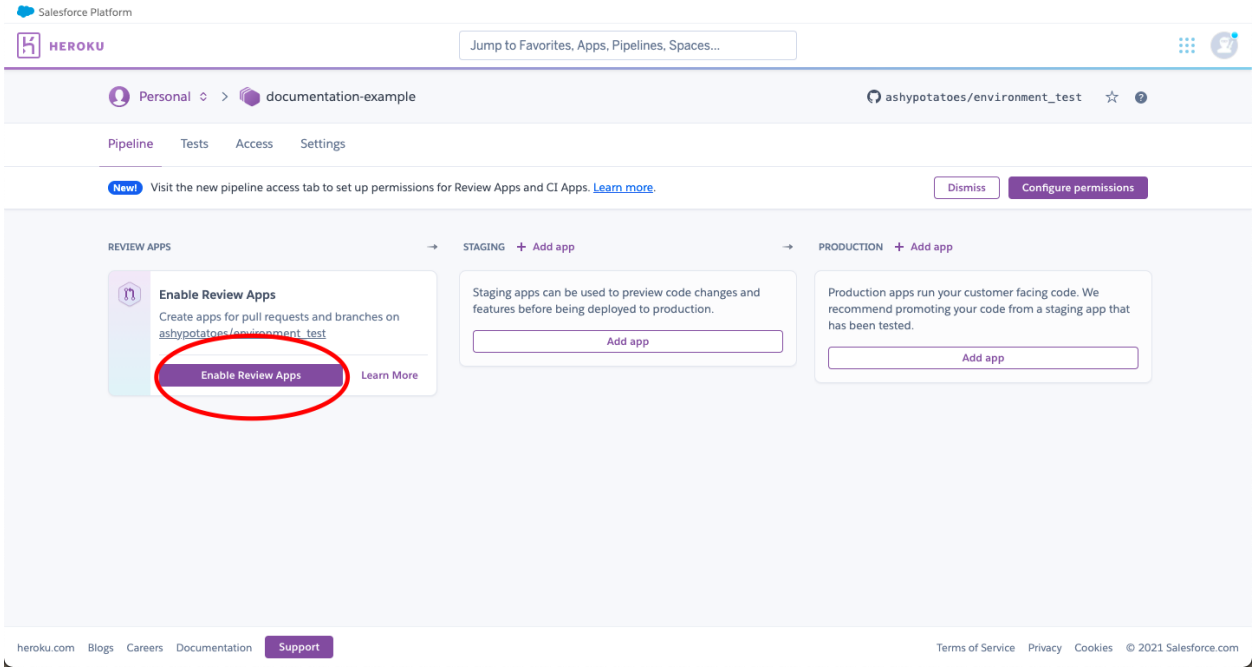
3. Click the "New" button at the top right corner and select "Create new pipeline".



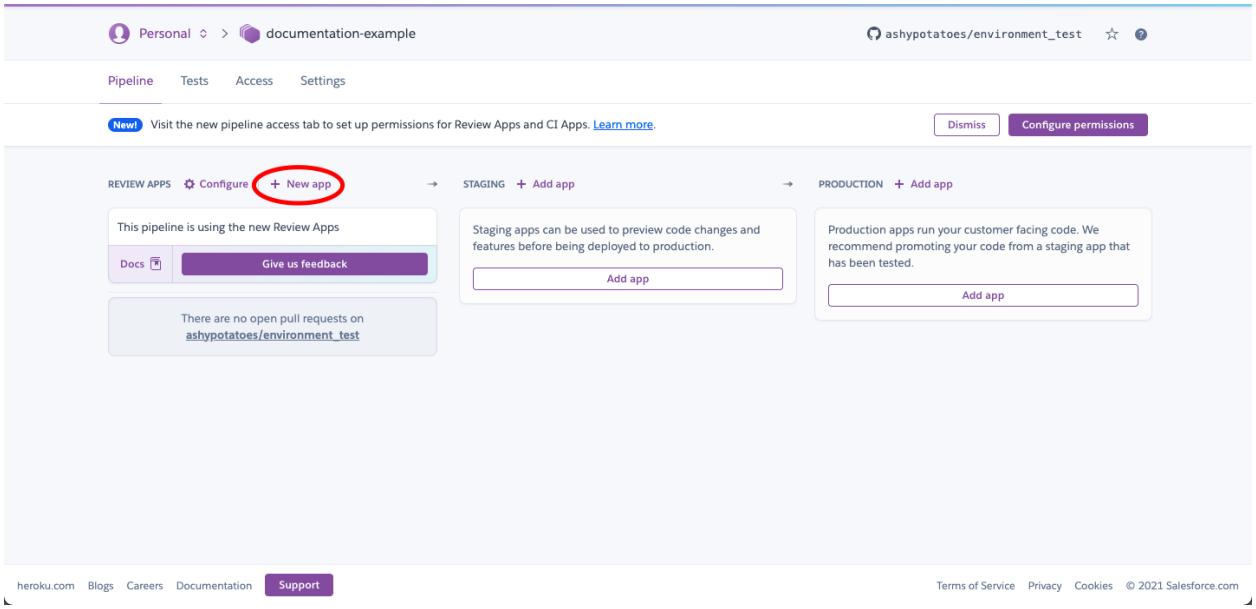
4. Fill out the form accordingly.



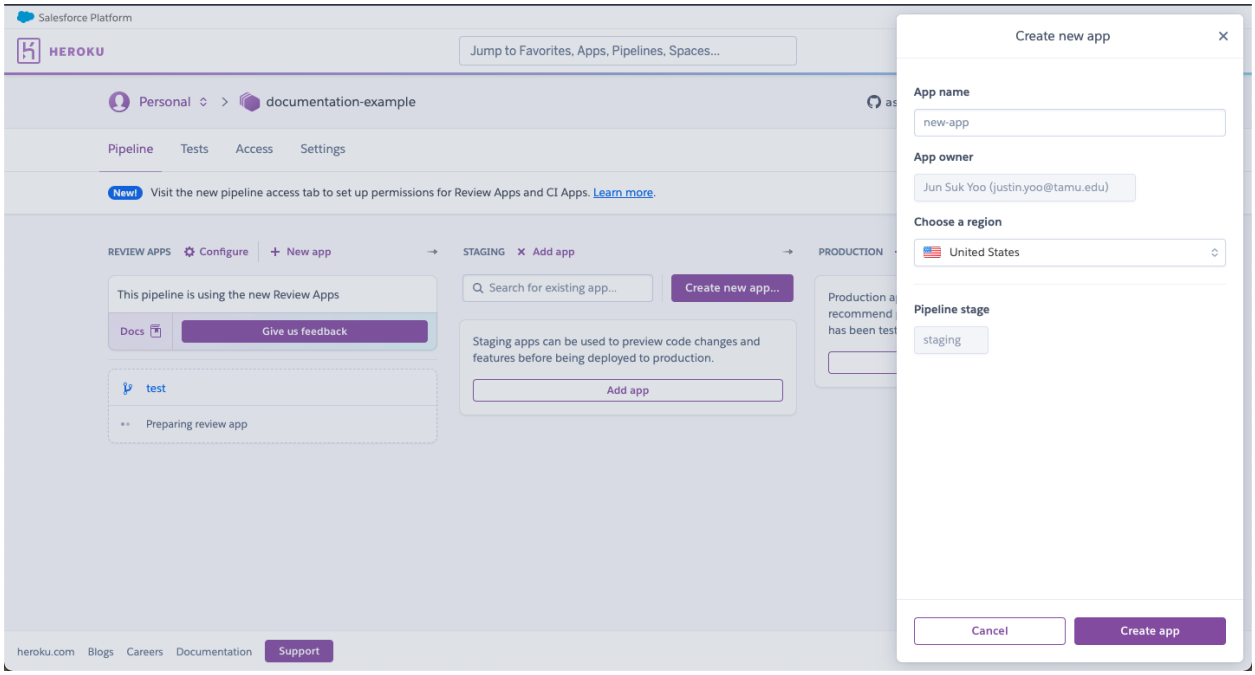
5. Click "Enable Review Apps." Be sure not to toggle any of the checkboxes and leave everything as default.



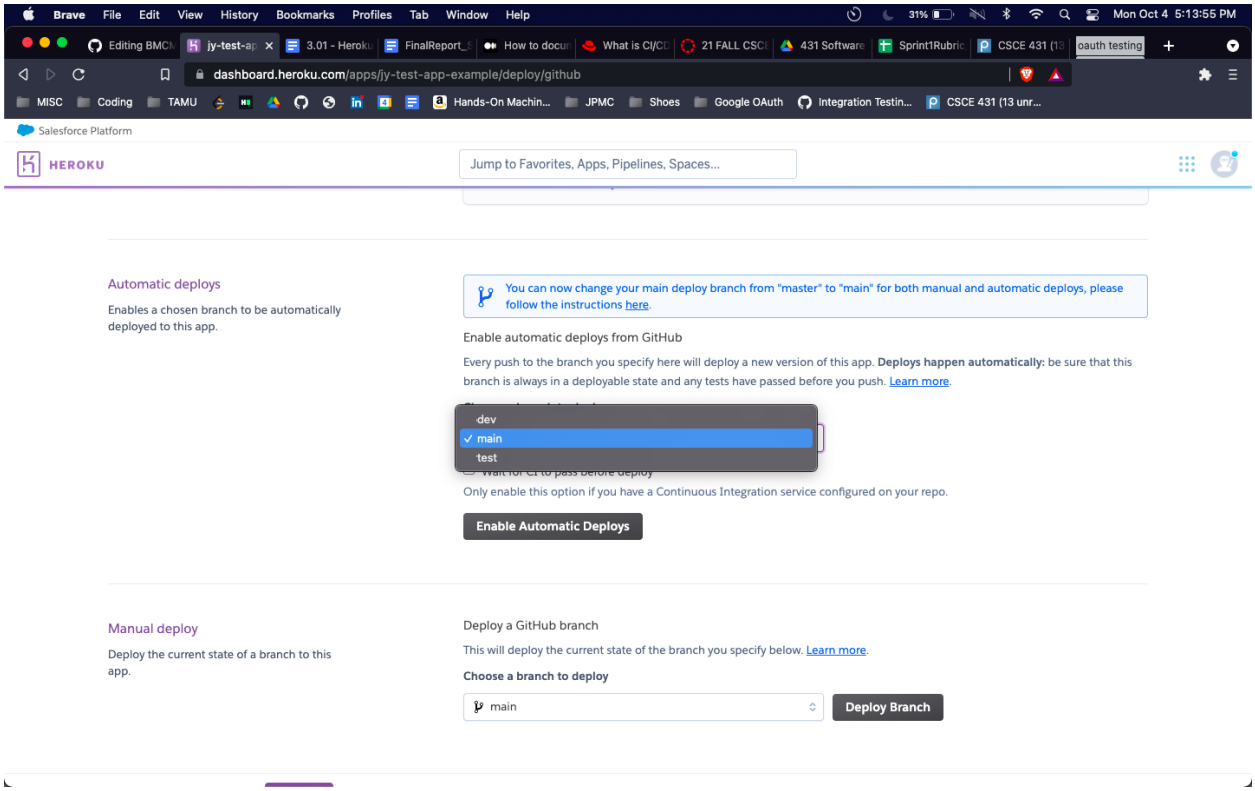
6. In the Review Apps section, create a new app, and select your "test" branch for deployment.



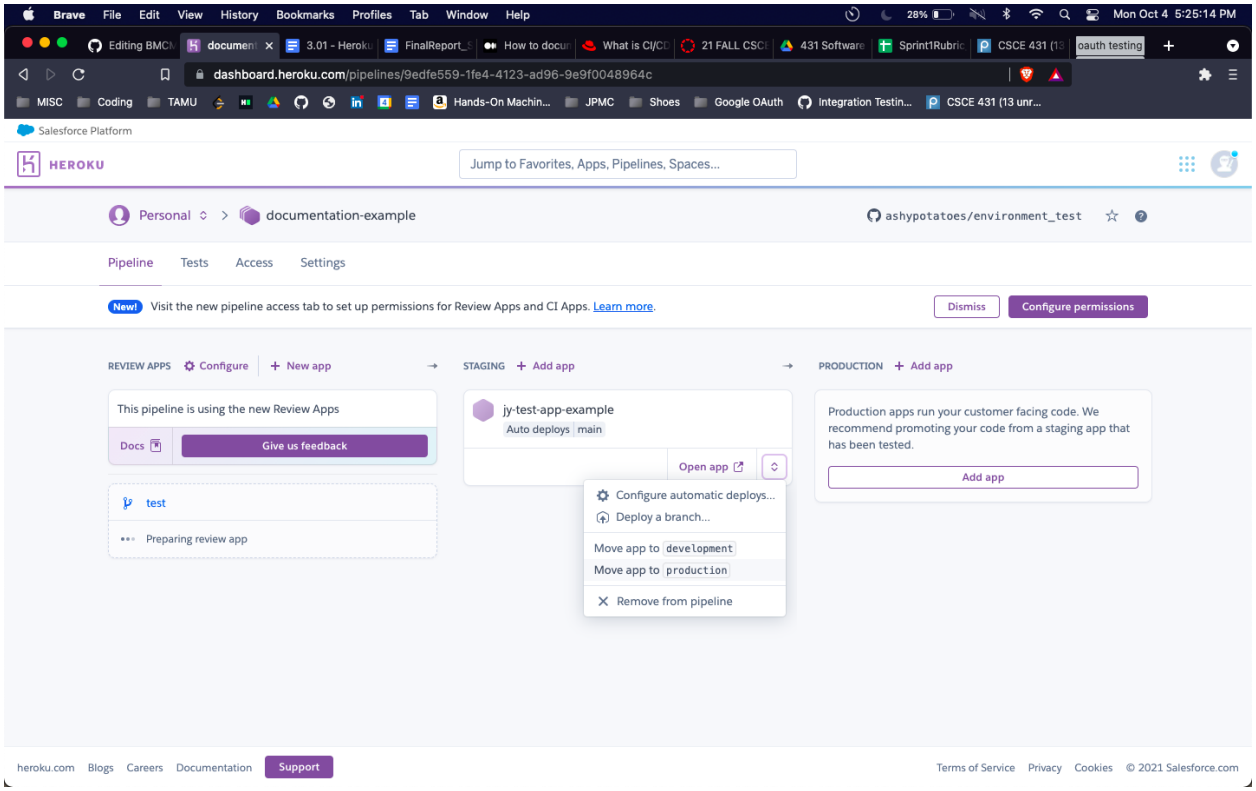
7. Add an app to staging as well. Enter an appropriate app name



8. Click on your newly created staging app and go to the Deploy tab. Change your main branch to be used for Automatic Deployment and enable automatic deployment.



After commiting changes to your test branch and merge into your main branch. After the merge, Heroku will automatic deployment will occur for the staging app. Open the staging app when it's done building, move the app into production to have the changes. You have now officially deployed your app!



CI/CD

For the CI/CD portion of our development, we set a standard that each team member would commit and push changes to their feature branch as frequent as possible so that we wouldn't have huge merge conflicts later on at the end of the sprint. The changes that each team member made would be merged into our test branch, which would deploy and test our changes automatically.