We need to download node.js, and install pm2, express, socket.io
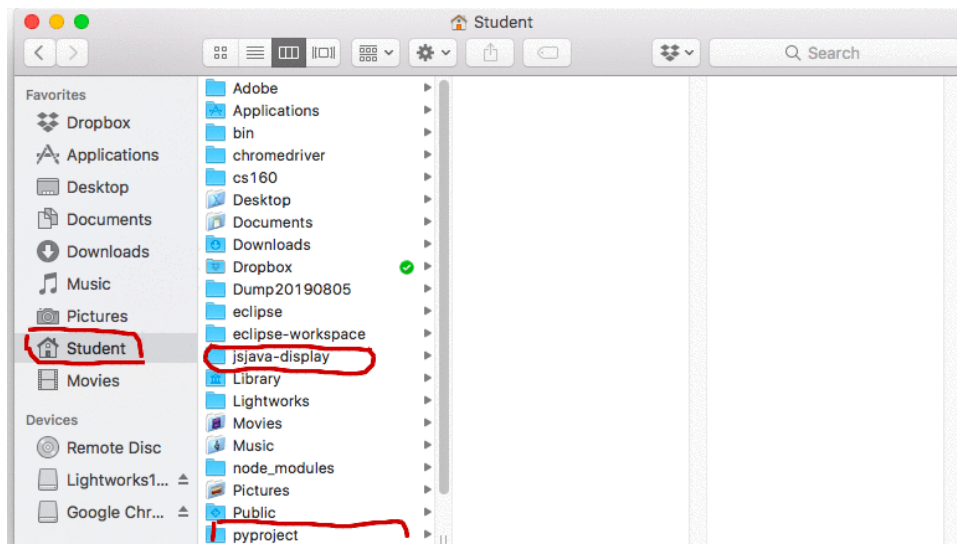

npm install pm2@latest -g

npm install socket.io

npm install express

If having a problem, try to type in terminal: sudo chown -R $USER /usr/local

DIRECTORY

/Users/Student/pyproject

/Users/Student/jsjava-display

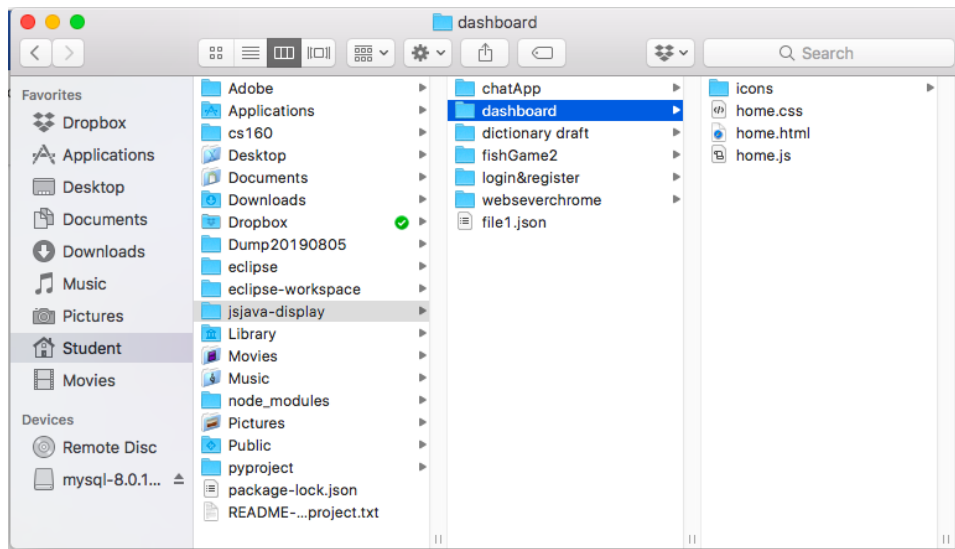*** jsjava-display does NOT contain java files (this folder is used to display the

*** jsjava-backup contains ALL FILES OF JAVA AND JAVASCRIPT that belong to server-side of JSP and node.js

RUN SERVER OF NODE.JS,

just go to specific folder and type in command: pm2 start app

 for example, to run home.js, go to /Users/Student/jsjava-display/dashboard, then type

 pm2 start home.js

```
USCS-Mac157:~ admin$ cd jsjava-display/dashboard
USCS-Mac157:dashboard admin$ pm2 start home.js
[PM2] Applying action restartProcessId on app [home](ids: [ 0 ])
[PM2] [home](0) ✓
[PM2] Process successfully started
```
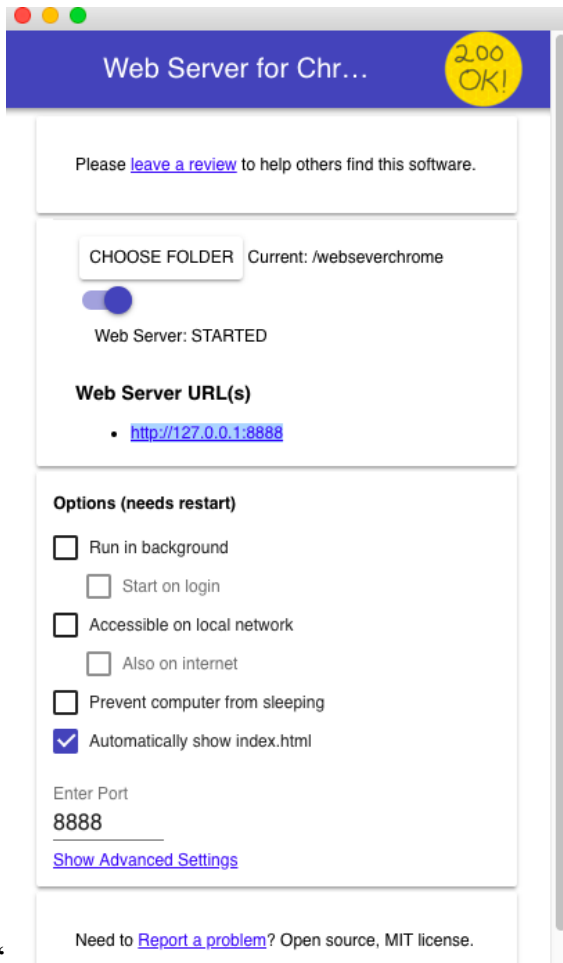
App name	id	version	mode	pid	status	restart	uptime	cpu	mem	user	watching
chatApp	2	1.0.0	fork	0	stopped	0	0	0%	0 B	admin	disabled
fishGame2	1	N/A	fork	0	stopped	0	0	0%	0 B	admin	disabled
home	0	N/A	fork	86879	online	15	0s	0%	13.7 MB	admin	disabled

RUN WEBSERVER CHROME:

go to and add plug-in webster chrome, https://chrome.google.com/webstore/detail/web-server-for-chrome/ofhbbkphhbklhfoeikjpcbhemlocgigb?hl=en

then, launch app, -> a window appear, change port to 8888 , close window, and then open window. Now the port is changed to http://127.0.0.1:8888.

   choose the folder jsjava-display/webseverchrome

RUN DJANGO SERVER

download python 3.7.4, cd …/pyproject

type in terminal: source venv/bin/activate

then: pip install Django

then: python manage.py runserver

RUN JSP SERVER

download tomcat -> create project folder -> put jsp in -> run server

***EMAIL CLASSIFICATIONS, go to pyproject/personal_portfolio/settings.py, type in

EMAIL_HOST_USER = 'your-gmail'

EMAIL_HOST_PASSWORD = 'your-password'

Next, go to https://myaccount.google.com/lesssecureapps, enable this

+ Note that the model is not good enough to detect any kind of spam -> should use the spam email in the dataset