**Team member CWID# Role**

Alex Tran 891297442 Ops

Tu Tran Dev (Posting Microservices)

Joseph Hoang 889-78-2900 Dev (Voting Microservices)

**Instructions to run**

**These are the library, and tools that will need to be install in order to run the project**

Installing Redis

$ sudo apt update

$ sudo apt install --yes redis python3-hiredis

You can verify that Redis is up and running with:

$ redis-cli ping

Server will respone: PONG

Installing the high-speed Python library for Redis

$ sudo apt install --yes python3-hiredis

Install the Flask-And-Redis extension

$ pip3 install --user Flask-and-Redis

**First, we need to init the database for the both Posting and Voting Microservices**

flask init

**If you only run one instance per Microservices, please refresh multiple times.**

**Because of load balancer, it will take 1-2 to get to the correct $PORT**

**Then we will start the project by runing:**

foreman start

**Voting Microservices**

* View all votes: **http://127.0.0.1:5000/api/v1/resources/votes/all**
* View 1 vote by voteID **http://127.0.0.1:5000/api/v1/resources/votebyid/<int:id>**
* Upvote a post: **http://127.0.0.1:5000/api/v1/resources/upvote**

Have to input in json format.

Example: {“postID”: 0}

* Downvote a post: **http://127.0.0.1:5000/api/v1/resources/downvote**

Have to input in json format.

Example: {“postID”: 0}

* List the *n* top-scoring posts to any community: **http://127.0.0.1:5000/toppostscore/2**
* Report the number of upvotes and downvotes for a post:

**http://127.0.0.1:5000/api/v1/resources/votesbypostid/<int:id>**

Have to input in json format. Example: {“postID”: 0}

* Given a list of post identifiers, return the list sorted by score:

**http://127.0.0.1:5000/api/v1/resources/listsortedbyscore**

Have to input a list: Example: [0, 2]

**Screenshots**















