**Team member CWID# Role**

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**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 by postID: **http://127.0.0.1:5000/votebypostid/<postID>**
* View all post: **http://127.0.0.1:5000/**
* View 1 votes by vote id: **http://127.0.0.1:5000/vote/<voteID>**
* Upvote a post: **http://127.0.0.1:5000/post/<postID>/upvote**

Have to input in json format.

Example: {“postID”: 0}

* Downvote a post: **http://127.0.0.1:5000/post/<postID>/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**
* Given a list of post identifiers, return the list sorted by score: **http://127.0.0.1:5000/listsortedbyscore**

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

**Screenshots**













