

New Kids On The Blog

CPSC-476 Blog Microservice

Team Members

- Dayna Anderson
- Joshua Ferrara
- Hector Medina

The Setup

1) Virtual Environment Setup

Python 3 is packaged with a virtual environment. Should be good so that we all have the same dependencies.

From the project directory, run the following commands:

a) On *nix environment:

Using [Tuffix \(https://github.com/kevinwortman/tuffix\)](https://github.com/kevinwortman/tuffix)? You'll also need this: `sudo apt-get install python3-venv`

```
python3 -m venv venv
```

b) On Windows:

```
py -3 -m venv venv
```

2) Start the virtual environment:

```
. venv/bin/activate
```

3) Then install dependencies with:

```
pip3 install -r requirements.txt
```

As a developer, to update dependency file:

```
pip3 freeze > requirements.txt
```

4) Additionally, you'll have to install foreman:

```
sudo apt install ruby-foreman
```

5) Finally, the database must be initialized. From the top-level directory run the following command:

```
foreman run init-db
```

To Run

Each microservice can be started individually by using the following commands:

```
foreman run users
```

```
foreman run articles
```

```
foreman run tags
```

```
foreman run comments
```

Networking

Service	Port
---------	------

Users	:5000
-------	-------

Articles	:5001
----------	-------

Tags	:5002
------	-------

Comments	:5003
----------	-------

API Documentation

API documentation is available on our [Postman page](https://documenter.getpostman.com/view/262836/S11PpFTY)
(<https://documenter.getpostman.com/view/262836/S11PpFTY>)

To Test

1) Initialize the database with test data

```
foreman run init-data
```

2) Run the tests

```
py.test
```

This will execute all tests in the tests directory in alphabetical order and has been tested to work with the default testing database.