New Kids On The Blog

CPSC-476 Blog Microservice

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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 dendency 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
```

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.