SETUP PROJECT DEV ENVIRONMENT

Internship Project

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# Python

1. Download the executable for python 3 and run the executable.
2. On the first screen, enable the “Add Python 3.6 to PATH” option and then click “Install Now.”
3. Click “Close” to finish the installation.

# MongoDB

1. Download the msi package for windows from this link <https://www.mongodb.com/download-center#community>
2. Follow the instructions and install the database.
3. Open up a command prompt, then navigate to `bin` in the mongo folder [Navigating to mongo's bin folder]
4. Type `mongo.exe` (which is the command used to start mongo Db Power shell). Then see the below response [Executing mongo.exe][5] > Couldn’t connect to server.
5. We have to start the mongo db by using the command `mongod`. Execute this from the `bin` folder of mongo.
6. We have to create the `data\db` folders in the `C` drive of our BOX in which we are installing mongo. Create the folder structure in C drive
7. Next, we can go and start the db using the command `start mongo.exe`
8. Open a new cmd window.
9. Navigate to Bin
10. In the command prompt, execute the command mongo or mongo.exe
11. Refer to this link <https://docs.mongodb.com/getting-started/shell/installation/> to set up the mongod as a windows service.
12. Setting up the service:-
    1. Open an Administrator command prompt.
    2. Create directories for your database and log files:

mkdir c:\data\db

mkdir c:\data\log

* 1. Create a configuration file.

systemLog:

destination: file

path: c:\data\log\mongod.log

storage:

dbPath: c:\data\db

### Install the MongoDB service.

Install the MongoDB service by starting mongod.exe with the --install option and the -config option to specify the previously created configuration file.

"C:\Program Files\MongoDB\Server\3.4\bin\mongod.exe" --config "C:\Program Files\MongoDB\Server\3.4\mongod.cfg" --install

# Mongoengine

1. Use pip install mongoengine after installing python with pip.
2. Make sure to run the install command when the command prompt is opened as an administrator.
3. Pymongo is installed along with mongoengine, if not use pip install pymongo.

# Bottle

* 1. Use pip install bottle.
  2. When running bottle make sure the port is empty.