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

# Pymongo

1. Use pip install pymongo after installing python with pip.
2. Make sure to run the install command when the command prompt is opened as an administrator.

# Bottle

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

# Robomongo

* 1. Install robomongo from <https://robomongo.org/download>
  2. Connect to the database from the localhost and default port.
  3. Make sure the mongo service is running before connecting to the database.