

installation Guide

Project: LSC Alumni Hub



**Software requirements:**

* mongoDb
* django 2.2.28
* pillow
* djongo
* python
* mongoengine
* pymongo

**Environment Setup:**

**Download and install Python from following link:**

<https://www.python.org/downloads/>

**After installing python:**

* **install django 2.2.28 :**
  + command :

pip install django==2.2.28

* **install djongo**
  + command:

pip install djongo==1.3.1

* **install pillow**:
  + command:

pip install pillow

* **install requests**:
  + command:

pip install requests

* **install pymongo**:
  + command:

pip install pymongo=3.12.3

* **install mongoengine**:
  + command:

pip install mongoengine=0.24.1

**Download and install MongoDB database from following link:**

<https://www.mongodb.com/docs/manual/installation/>

**How to connect MongoDB :**

* open cmd (Command Prompt) and change directory to bin folder of mongoDB
  + Command:

Cd pathToBinfolder

* + Example:
    - In my case ,path for bin folder is C:\Program Files\MongoDB\Server\5.0\bin

Text

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* Type following command to connect database
  + Command:

Mongo

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**How to create Database:**

* Type following command to create database
  + **Use DATABASE\_NAME** is use to create database. This command will create new database, otherwise it will connect to existing database.



Now , enter **show dbs command** to see list of available database.

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You can see that database name is not in list. So we have to create collection in newly created database.

**How to create collection in database :**

* **db.createCollection( name, options)** command use to create collection. We will create demo collection using this command.
  + Command:

Db.createCollection(“demo”)

**Shape

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Now , type **show dbs** command again. you can see database name in list. Now our database is ready to use.

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**Configure Settings.py file:**

* open settings.py
  + path to file: (folder with project name)>settings.py

for this project path is LSCAlumniHub\settings.py

* scroll down to DATABASE variable.

Graphical user interface

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Set name attribute to name of database created in previous section. I created **LSCAlumniHub** databse inprevious section. So I will use that database.

After setting name attribute DATABASE variable look like as follow:

Graphical user interface

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Save setting.py file.

**Delete migration files:**

* go to **job\migrations** folder.

**Graphical user interface, application

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* delete all the files except \_pycache\_ folder and \_\_init\_\_.py file. After deleting files folder would look as follow:

Graphical user interface, text, application

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* follow above 2 steps for folder such as dashboard,user,userprofile.

**How to run project:**

* open cmd (command prompt) and go to project folder.
* Make required migration for running project.( follow this steps only when you are running project first time or have made some changes in migration. otherwise skip this step)
  + Enter following command:
    - Py manage.py makemigrations

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* + - Py manage.py migrate

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* final step to run project is to runserver to host project. Type following command to run server.
  + Command:
    - Py manage.py runserver

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**Project is Successfully hosted. Go to browser and enter URL show in picture above. Here URL is: http://127.0.0.1:8000/**

**Graphical user interface, application, website

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**How to Create Superuser:**

* **type following command and enter appropriate values to fields:**

**Py manage.py createsuperuser**

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