**SYSTEM SETUP**

**1. Setup Python 2.7 32 bit**

- Download Python 2.7 32 bit from Python website and run setup

- Make sure it is 2.7 32 bit. Incompatible issue found with Python 2.7 64 bit and Python 3.3

**2. Add environment variable**

- Go to window environment variable

- Add path for Python

- Make sure when you go to cmd and type “python”, result is something like:



**3. Install the following modules**

* Django==1.4.10
* MySQL-python==1.2.3
* django-cleanup==0.1.10
* django-comments-xtd==1.3a1
* django-haystack==2.0.0
* django-mptt==0.6.0
* django-threadedcomments==0.9.0
* gunicorn==19.0.0
* sympy==0.7.5-git
* whoosh==2.2.0

There are 2 ways to install the modules:

* Download setup pack and install by command: python setup.py install
* Using pip:
  + Download and install pip, add pip to path in environment variable
  + Then run pip install -r requirements.txt
  + The file requirements.txt is in project folder

**4. Sync database**

- Get MySQL Server running (you can use Xampp or install MySQL Server and Workbench)

- Use command line, go to folder with manage.py

- Run python manage.py syncdb

- Select create admin account; you need it to login into the system (\*)

**5. Import database**

- Import all .sql file in database folder.

- Database folder contains data for H2 mathematics and PSLE mathematics

**6. Get system running**

- Run python manage.py runserver

- Login with the username and password you have in (\*).

- Ready to go

**7. System functions**

The following modules are implemented:

* Text search: text based search with Whoosh and Haystack
* Study: list all concept and formula topic related
* Practice: give user question of a certain, take input and verify answer
* Test:
  + CAT Test
  + Paper generation
* Q&A
  + Question and answer system
* Statistics:
  + Show content statistics

**8. System applications**

Django project has the following application:

* cat: cat test
* comment: comment
* DBManagement: database management
* paper: paper generation
* practice: practice
* qna: qna
* resource: resource management
* logic: logic modules and functions

Each application has its own template folder under Templates, own url and views under project application folder.

Other functions shares project view and url.

All template are under Templates folder.

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# Description: System Setup