

# Summer Internship 2013

## MOOC PROTOTYPE

Week 03 – Report 01 1/06/2013

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### **Tasks performed during week:-**

As a part of previous week assignment created a webpage. Designed a new Team web page. As introduced to ( twitter's ) Bootstrap created some web pages for Team. Updated the team web page many times with new css and also some animation.

Started creating discussion forum for website in Django. Used Light Bird Forum app tutorial to create the one.

Started learning about XBlock (component architecture by edX.org). It becomes easy to build a course hierarchically from pieces i.e. XBlock. XBlock provides structure and APIs needed to build components for use in all web applications. The XBlock design recognizes a few different roles people can play :

Block Developer, Content Author, Course Assembler, Student.

Following are some important concepts in Xblock : Runtime, Workbench, Thumbs. XBlocks run within web applications known as runtime e.g. Studio, LMS, Xblock workbench, peer grading workflow app.

I installed Xblock and started working on it. Following are the steps for installation :

- 1.Create and activate a virtualenv to work in.
- 2.Cloning git repository for Xblock.
- 3.Pip install -r requirements.txt
- 4.python manage.py runserver.
- 5.Server : 127.0.0.1:8000

Testing was done on installed one. To run the test suite:

*\$python manage.py test*

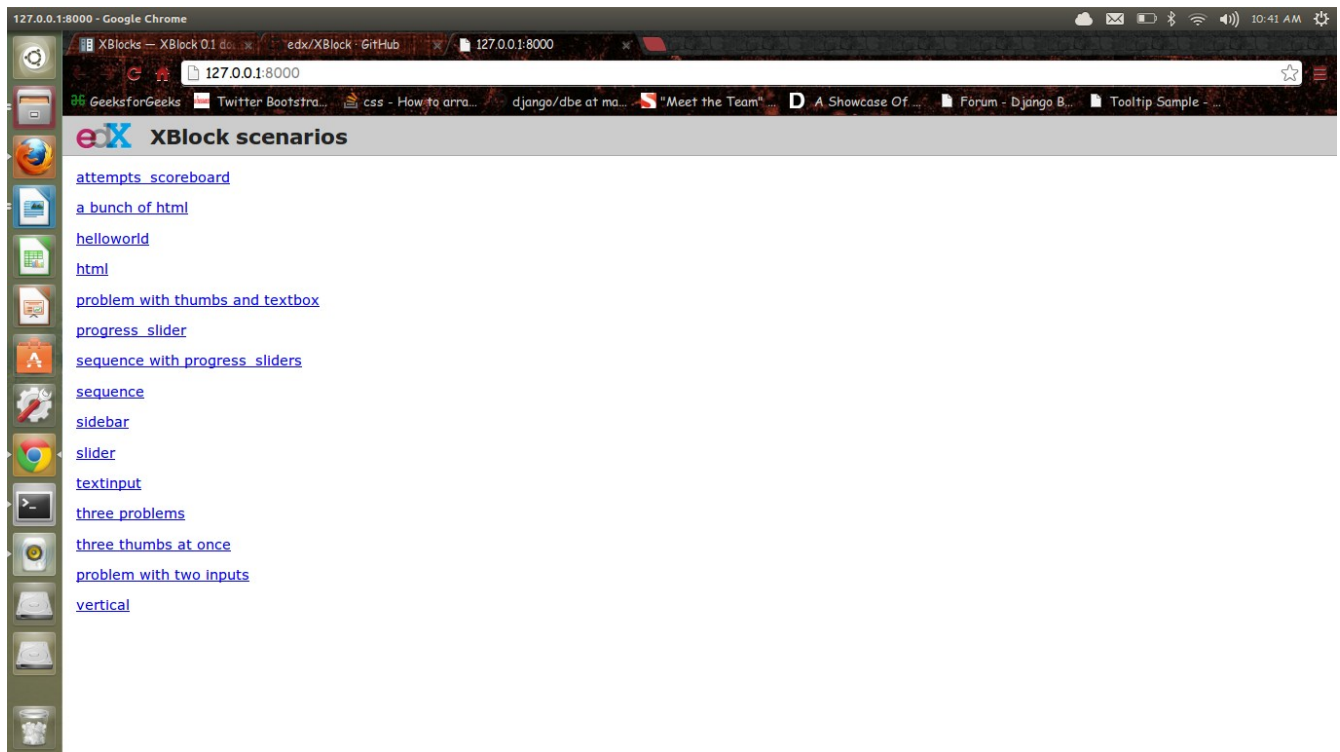
To run the test suite under coverage:

*\$coverage run manage.py test*

to execute the tests. Then to view the coverage report:

*\$coverage report*

Figure shown below will be window after opening web browser to:<http://127.0.0.1:80>



Studied some concepts about edX. edX platform installation began with first phase to install prerequisite for this platform. This was main edX platform which consists of LMS and Studio.

Installed Python 2.7, Ruby 1.9.3, and NodeJS (latest stable) on system as prerequisites. After getting languages and virtual environments set up, installed libraries as follows:

```
$ pip install -r requirements/edx/pre.txt  
$ pip install -r requirements/edx/base.txt  
$ pip install -r requirements/edx/post.txt  
$ bundle install  
$ npm install
```