

# Summer Internship 2013

## MOOC PROTOTYPE

Week 02 – Report 01 26/05/2013

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

Designed some rough website templates. Standardized the website template by discussion with the friends. Meanwhile database was completed and distributed to all MOOC members. I started learning Django from 'Djangobook' and also started creating an application after installing Django.

While studying django I come to know that it is based on MVC Design Pattern i.e. Model, View, Control. So it is split it over 4 python files (models.py, views.py, urls.py) and HTML template.

After the installation of Django 1.5 , I started creating a poll application. Using following command I firstly created a directory to store my app.

*Django-admin.py startproject <name>*

It creates a directory containing some important files. After this using following command Django development server is started.

*Python manage.py runserver*

There requires some database setup by editing *settings.py* . Then following command is need to be run to create database.

*Python manage.py syncdb*

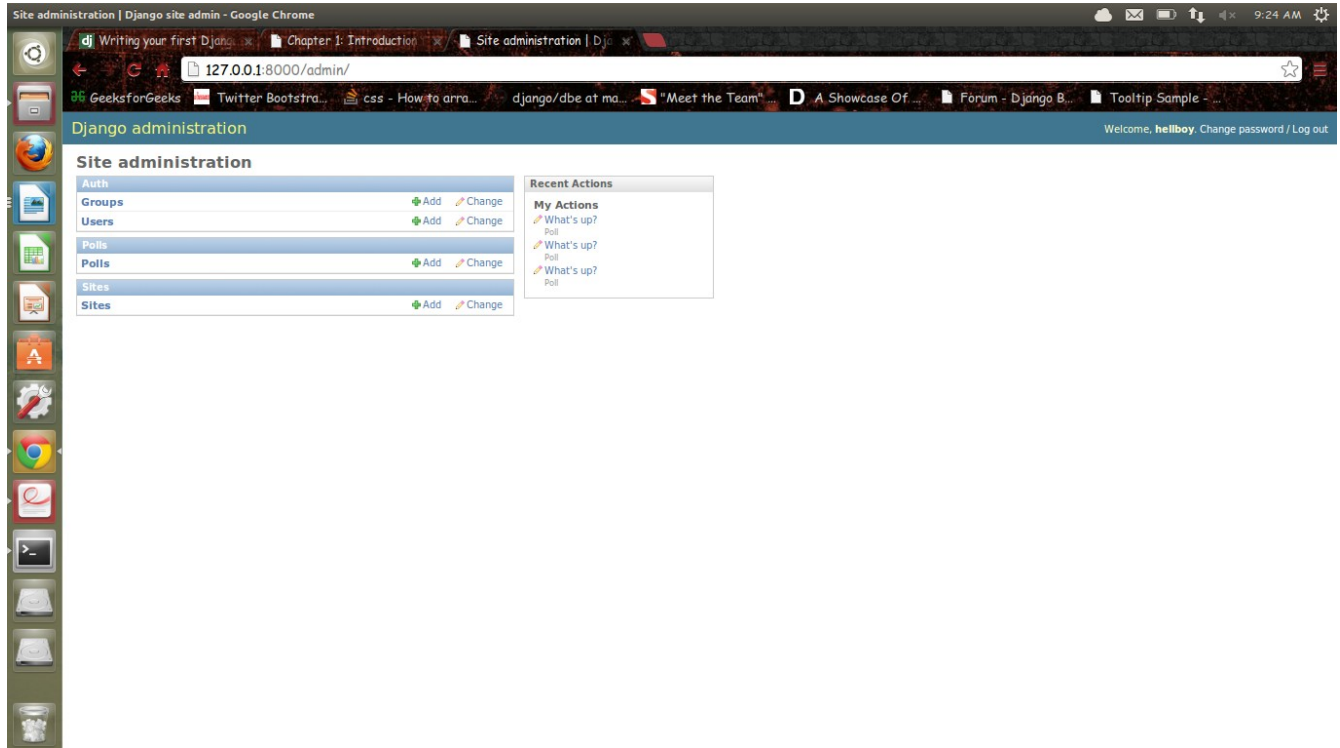
The syncdb command looks at the INSTALLED\_APPS setting and creates any necessary database tables according to the database settings. Then app is created using following command

*python manage.py startapp <name>*

Above mentioned are the basic steps for creating an app. For any app it is important to create and activate models. Using interactive python shell many things can be done in API. After this it included activating the admin site, customize the admin form, making the poll app modifiable in the admin.

In django, web pages and other content are delivered by views. Each view represented by simple python function. Also used template system. After this I learned about automated testing and testing strategies. Customized the polling app by adding some pictures and css.

The admin page is as shown in the figure given below:



After this I continued studying Django from 'The Djangobook'. At the end of week one more task was given to outline the course 'Android Development'. So I submitted the course outline.