

## **Summer Internship 2013**

### **MOOC Prototype course**

**Week - 3, 4-6-2013**

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## **Overview**

We plan to implement a Massive Open Online Course website using the XBlocks and the edx platform developed by Edx. The complete source code was released on the 1<sup>st</sup> of June. We are, as of now, in the process of familiarising ourselves with the framework.

## **Report( on work done till now )**

### **Learning Django**

Django is a python web framework that is highly scalable. During the first few days, I got myself familiarised with the framework. Good knowledge of django is crucial to understand source code of the edx framework as the documentation provided is insufficient.

I have also implemented a couple of apps in django.

### **Youtube API**

We developed a website which streams in videos ( using Youtube API

from Youtube) .We also implemented a user management( login / authentication ) system.Additionally, we implemented a note taking facility as asked by our mentor.The user can take in notes (fill out a form ) which will pop-up ( appear ) the next time he watches the video.

We implemented in the django framework .

The code can be used in the final implementation of the website( frontend ) ,with slight modifications and additions .

NOTE: This was done in collaboration with Dhruva Bhaswar .

## **Bootstrap**

I also learnt basics of bootstrap CSS package during this period.

## **XBlock**

For the last few days, we have been trying to understand the Edx platform , tinker with the source code , make simple extensions to it etc .

Though we have not been very successful we did make some progress.

We now have a basic idea of how XBlock works .We made a custom XBlock which streams a embedded video.The user has an option to like the video.It displays how many times the video has been watched in the current session.

Note : This XBlock has been implemented as work bench scenario , so there was no proper backend database handling.

This was done with the help of tutorials on the web.

