

Summer Internship 2013

MOOC PROTOTYPE

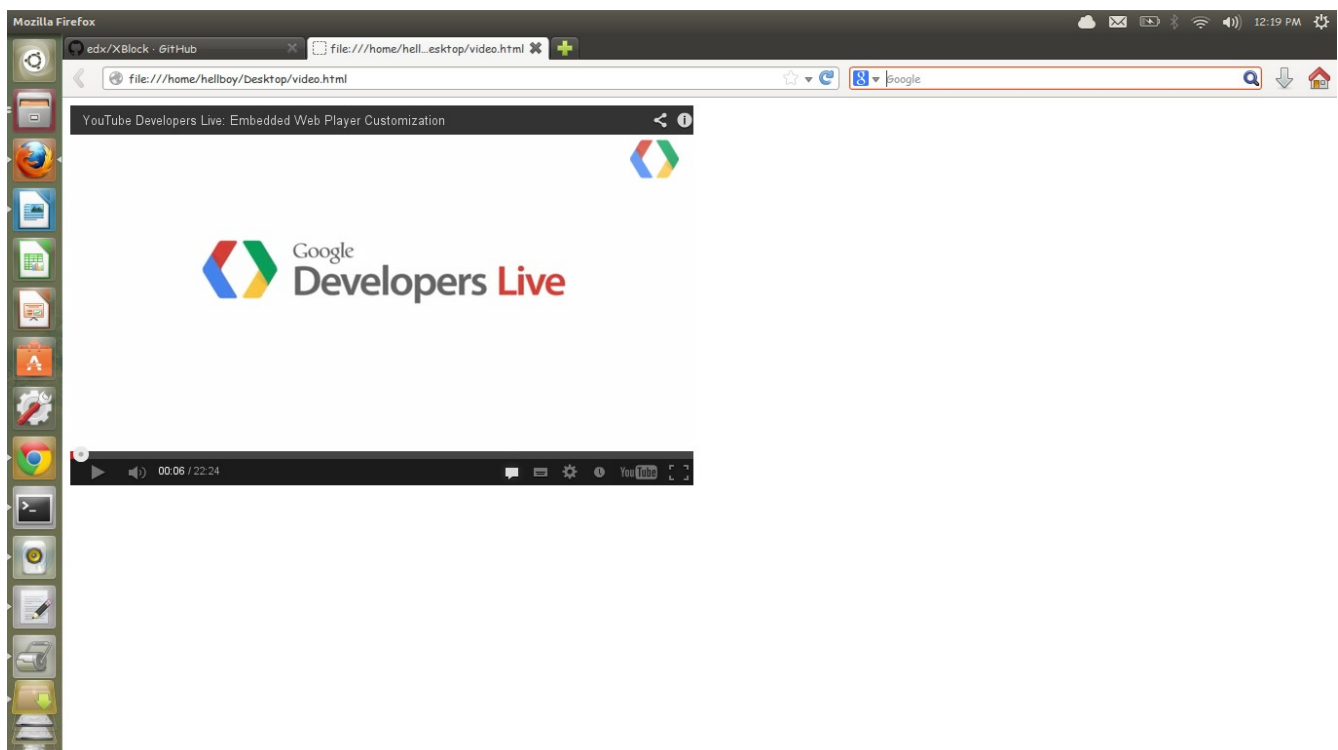
Week 01 – Report 01 20/05/2013

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Tasks performed during week:-

To get detailed information about 'MOOC' i.e. **Massive Open Online Courses** searched for various websites of private educational organization offering 'MOOC'. Logged in Khan Academy, Udacity, Coursera and edx Websites to get some new ideas, which can be implemented in project. Discussed about adding some good features to increase the interactivity.

To use 'YouTube APIs', learned about player APIs by 'Google Developers'. Studied some tools useful for project. Studied about players and player APIs. Learned how to embed a player in the app using JavaScript. Started to customize the playback experience.



Using the given Player API embedded a video with some functionality. Video pauses after a fixed amount of time and video resumes on pressing 'continue' button . In this case a Quiz can be added such that after answering the questions the video resumes. In this way a Quiz was embedded to get more attention of student and increase the interactivity. To show exact time of the Quiz between the video, tried to indicate using mark e.g. indicating a yellow strip on streaming line at the exact time of quiz.

Assigned job to search for YouTube APIs for implementing transcripts in our own website. Uploaded a video with transcript and annotation.

Django is a high level Python Web framework that encourages rapid development and clean, pragmatic design. Easy way to learn Django is creating an app. So I installed Python 2.7, and set up database (like PostgreSQL, MySQL, or Oracle) as a prerequisites. Then installed Django 1.5 . this was all about the installation.

I started creating an Django app. The app was basic poll application. It was consisting of two parts:

1. A public site that lets people view polls and vote in them.
2. An admin site that let us add , change and delete polls.