Summer Internship 2013

MOOC PROTOTYPE

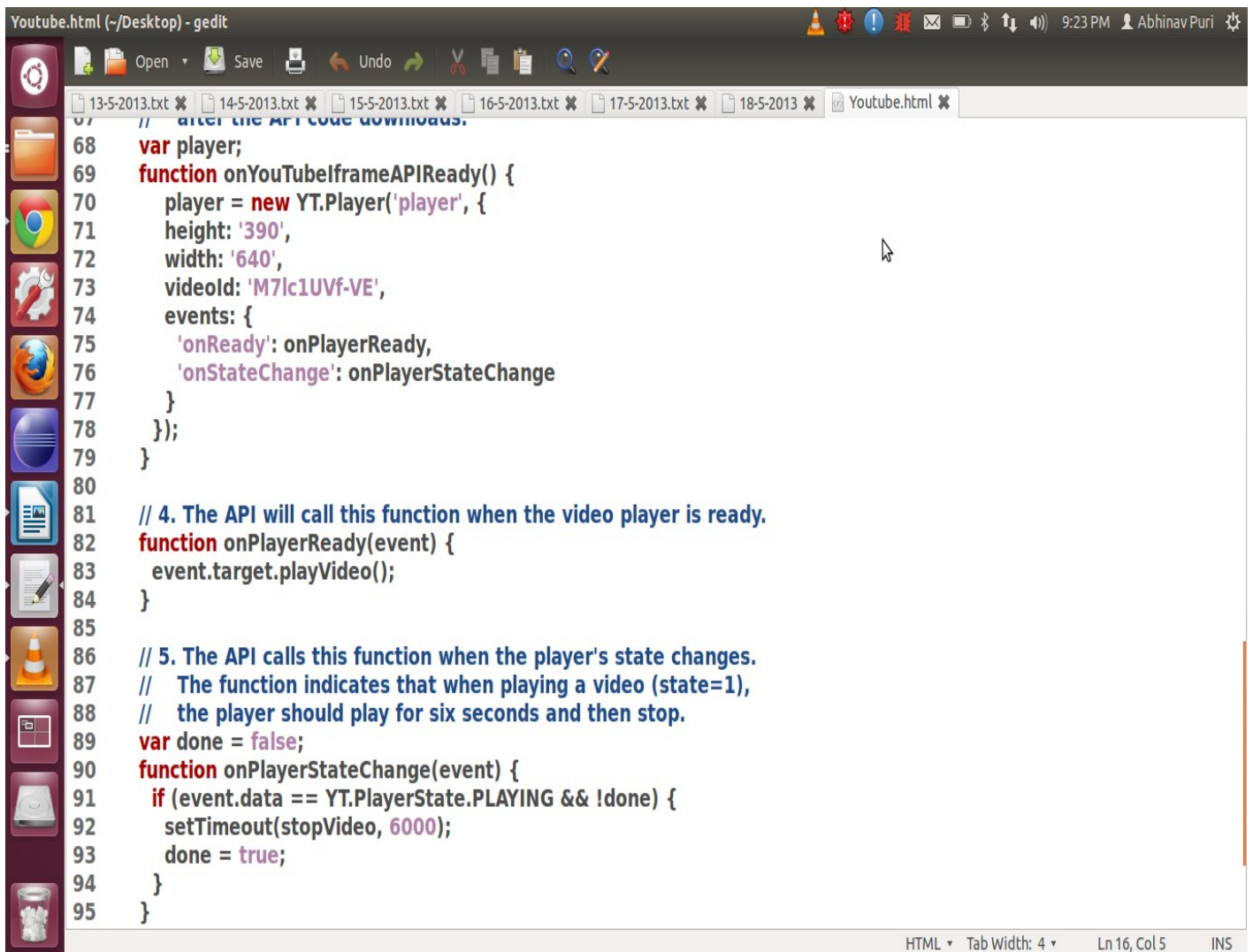## Week 01 – Report – 01   20/5/2013

ABHINAV PURI

Week 01 - Tasks :

- **Learn MOOC , so as to answer the question :**
     ' What is MOOC and How it works? '

- **Join many already providing MOOC websites and analyze their MOOC prototypes.**

- **Think for the page layout of our MOOC prototype website.**

- **Explore Youtube APIs to implement the feature of popping up the quiz in the Youtube video player after a certain period of video play.**

- **Implement the feature of viewing transcripts along with Youtube video player.**

Tasks Accomplished this Week :

- **Logged in coursera & edx websites and analyzed their MOOC prototype. Joined one of the courses and try to understand the courseware part of each of MOOC sites.**

- **Implemented the feature of quiz popping out in the Youtube video player after a certain period of video play.**
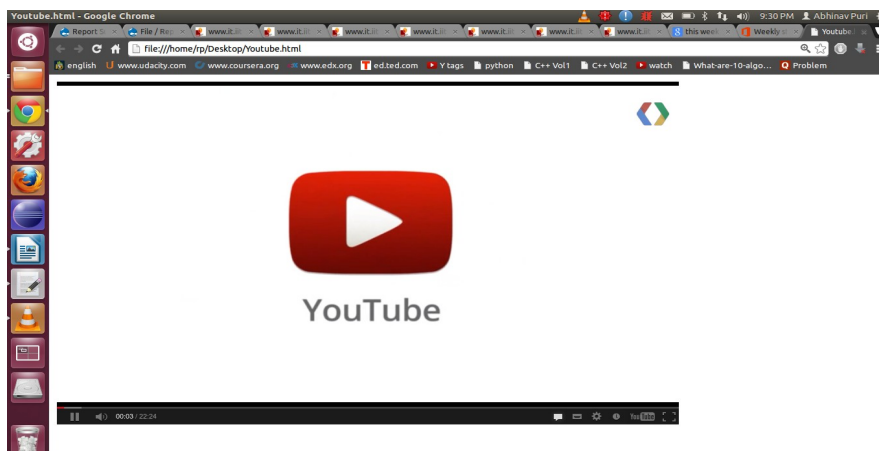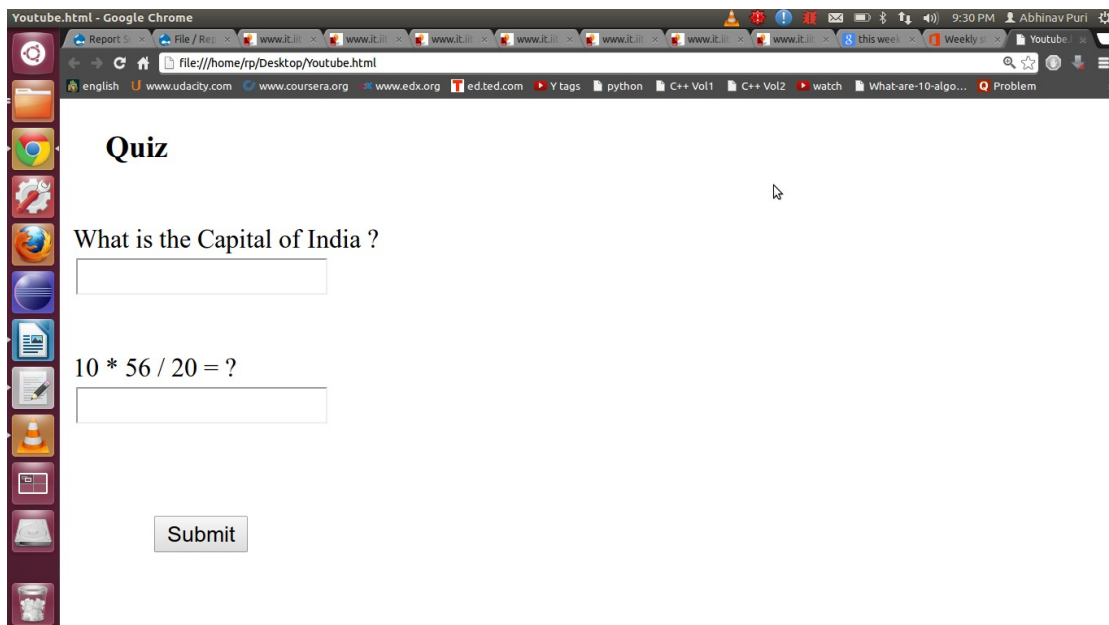
Main part of Code :

9:23 PM Abhinav Puri

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13-5-2013.txt ✖ 14-5-2013.txt ✖ 15-5-2013.txt ✖ 16-5-2013.txt ✖ 17-5-2013.txt ✖ 18-5-2013 ✖ Youtube.html ✖

```
67    //    after the API code downloads.
68    var player;
69    function onYouTubeIframeAPIReady() {
70      player = new YT.Player('player', {
71      height: '390',
72      width: '640',
73      videoId: 'M7lc1UVf-VE',
74      events: {
75        'onReady': onPlayerReady,
76        'onStateChange': onPlayerStateChange
77      }
78    });
79    }
80
81    // 4. The API will call this function when the video player is ready.
82    function onPlayerReady(event) {
83      event.target.playVideo();
84    }
85
86    // 5. The API calls this function when the player's state changes.
87    //    The function indicates that when playing a video (state=1),
88    //    the player should play for six seconds and then stop.
89    var done = false;
90    function onPlayerStateChange(event) {
91      if (event.data == YT.PlayerState.PLAYING && !done) {
92        setTimeout(stopVideo, 6000);
93        done = true;
94      }
95    }
```
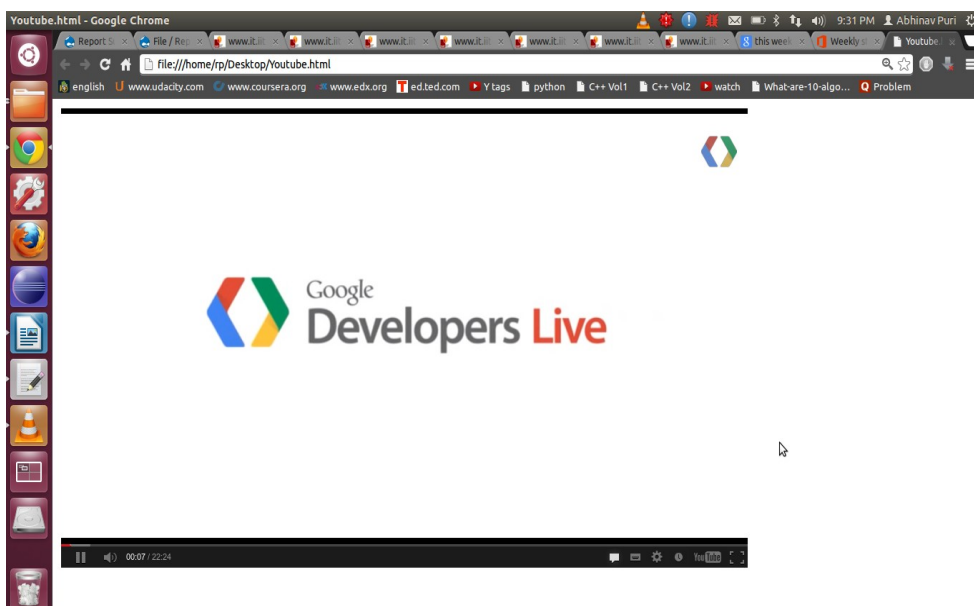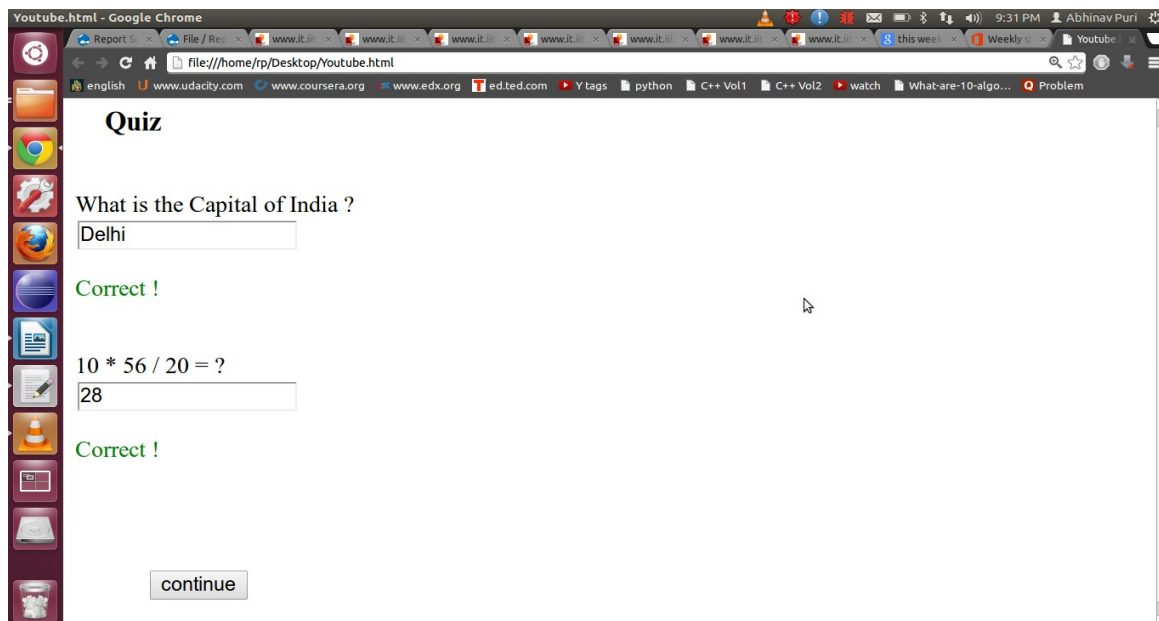
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Working Quiz Youtube video :

Quiz

What is the Capital of India ?

[   ]

10 * 56 / 20 = ?

[   ]

Submit

(Quiz pops out after 6 seconds)

Quiz

What is the Capital of India ?

Delhi

Correct !

10 * 56 / 20 = ?

28

Correct !

continue

Google Developers Live

00:07 / 22:24

(Video continues after answering the quiz.)

- **Also Fetched transcripts file from Youtube servers.**

  Code :

```
function getXML() {
        var XML = null;
        $.ajax({
        type : 'GET',
        dataType : 'xml',
        url : 'http://query.yahooapis.com/v1/public/yql?q=select%20*
                %20from%20xml%20where%20url%3D%22http%3A
                %2F%2Fvideo.google.com%2Ftimedtext%3Flang
                %3Den%26v%3Dar8U_q34FRs%22',
        success : function(xhtml) {
document.write(xhtml.getElementByTagName("transcript")
[0].childNode[0].nodeValue[0]);
                }
        });

}
```

Additional Work & Learning for this Week:

- **Learned ubuntu terminal commands.**
   (grep, sudo , su , ls , user,uname,etc)

- **Installed many important repositories :**
              sudo apt-get install python3
              sudo apt-get install sqlite3

- **Installed Django framework.**
              sudo apt-get install py-django

- **Started learning Django basics.**
       Started a Django project for practice :
                  django-admin.py startproject <name_of_project>