

# WeTube

(CPSC 473: Graduate Programming Project)

May 2, 2016

Submitted by,

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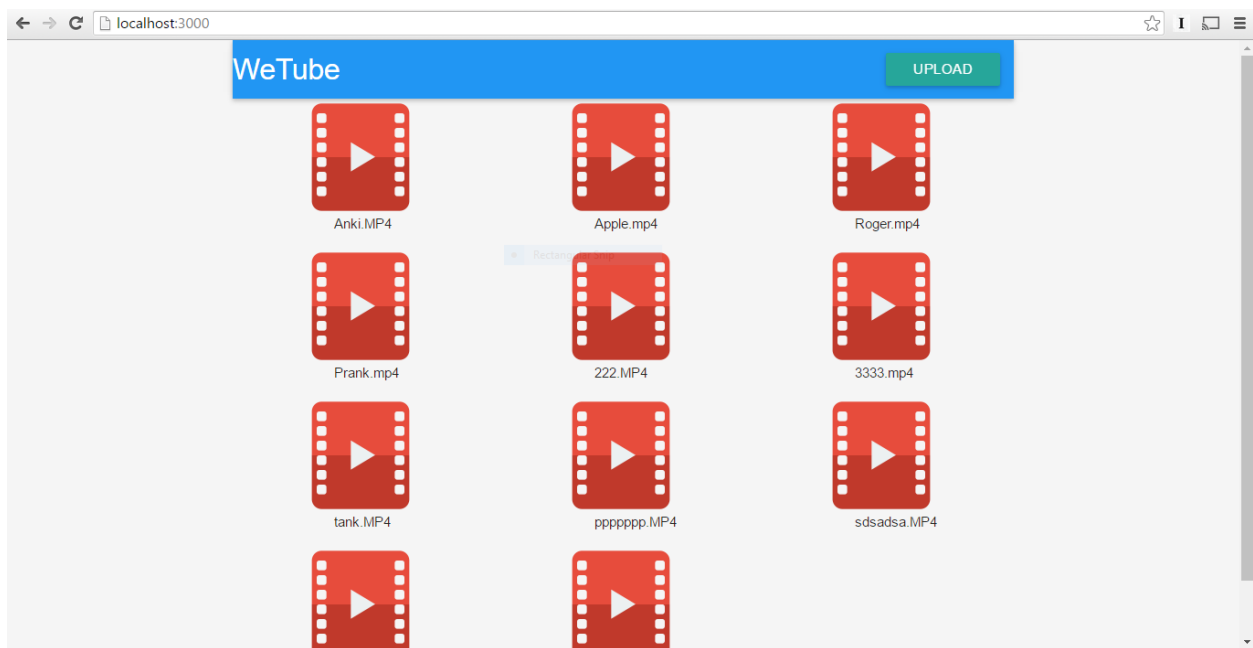
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## Purpose

The purpose of this project is to build a video sharing website where any user can watch the videos available in the webpage. The user can upload his/her own video with as simple as hitting the Upload button and choosing the video file they would like to share it on the website.

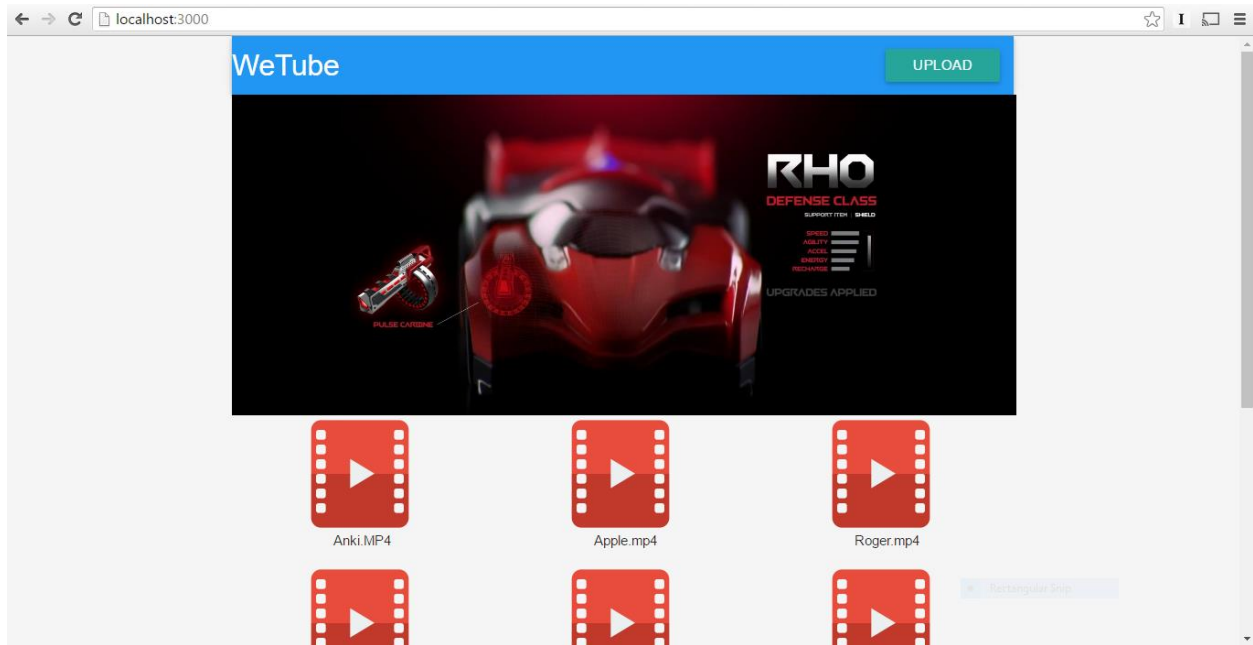
## How it works

The webpage looks as shown in the screen shot below, when the user visits the website.

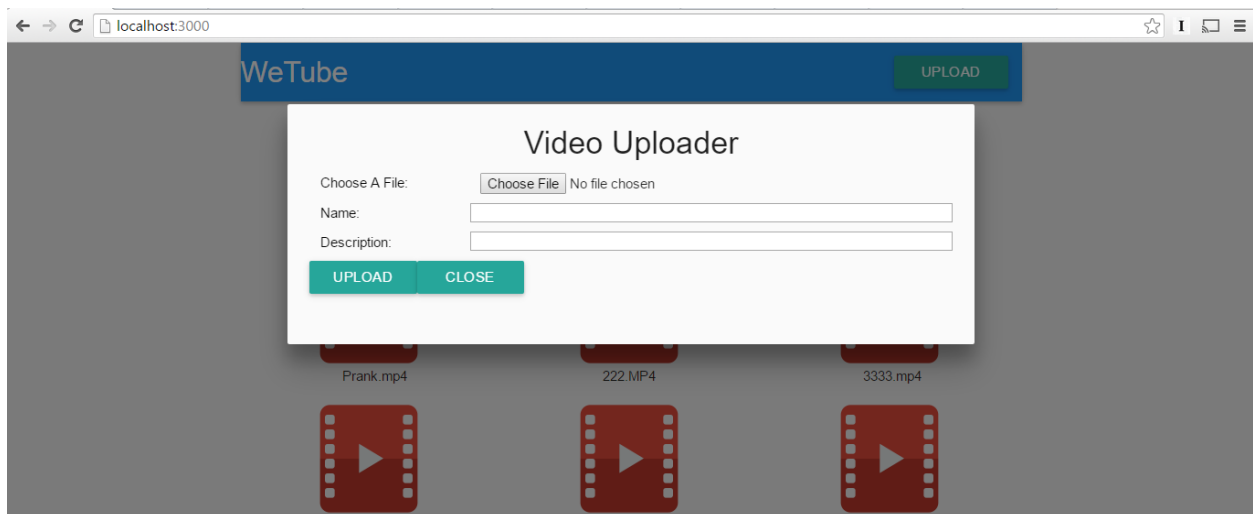


The user can choose to play any video from the list of videos available in the webpage.

When the user clicks on the video file which he/she would like to watch by looking at the name of the video file, the video player appears and it plays the chosen video as shown in the screenshot below,



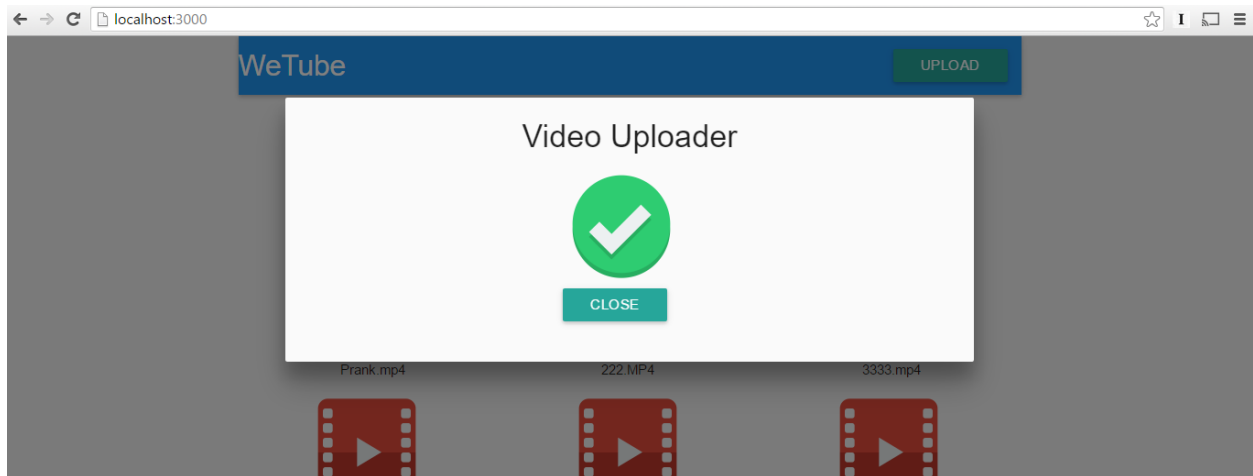
The user has the option to upload new videos by clicking on the “Upload” button and then the modal window pops up as shown in the screen shot below,



The user can edit the name of the video file in the textbox ‘Name’ and he/she could choose to describe the video in few words.

Once the video is uploaded successfully, the user can choose to watch his/her recently uploaded video by clicking the close button in the modal window and selecting the newly uploaded video file.

The modal window looks as shown below when the video uploading is successful.

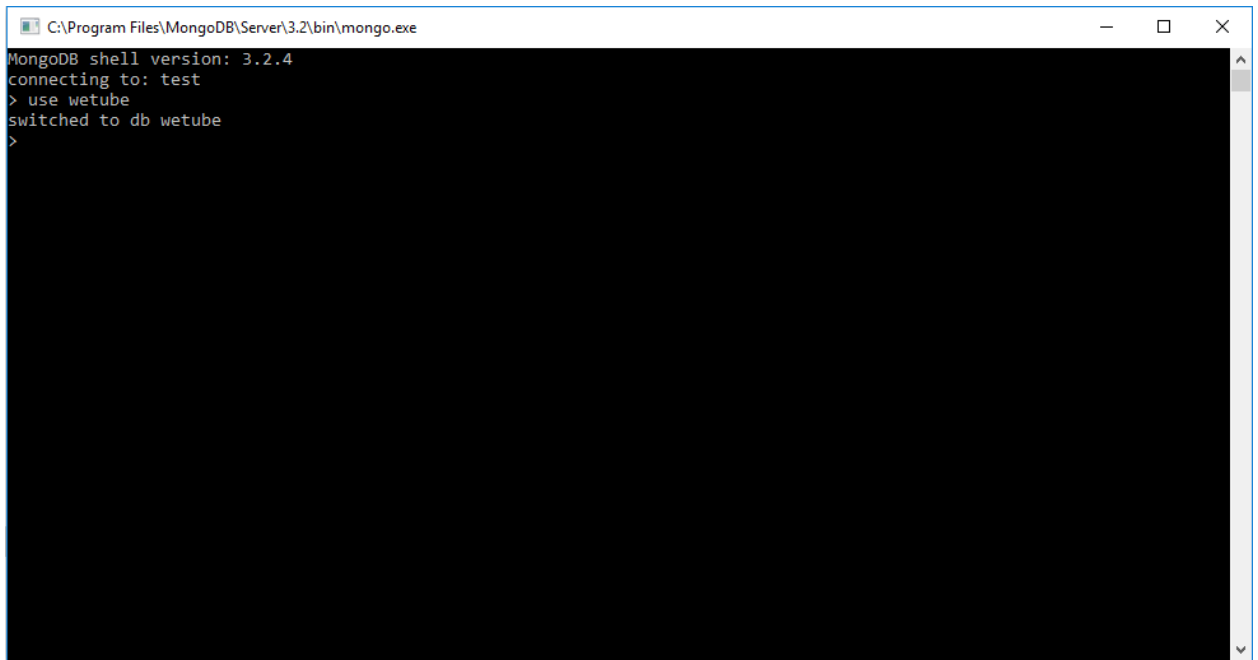


## Running the project

My project WeTube is built using various technologies such as MongoDB, NodeJS, Javascript, JQuery and Materialize CSS.

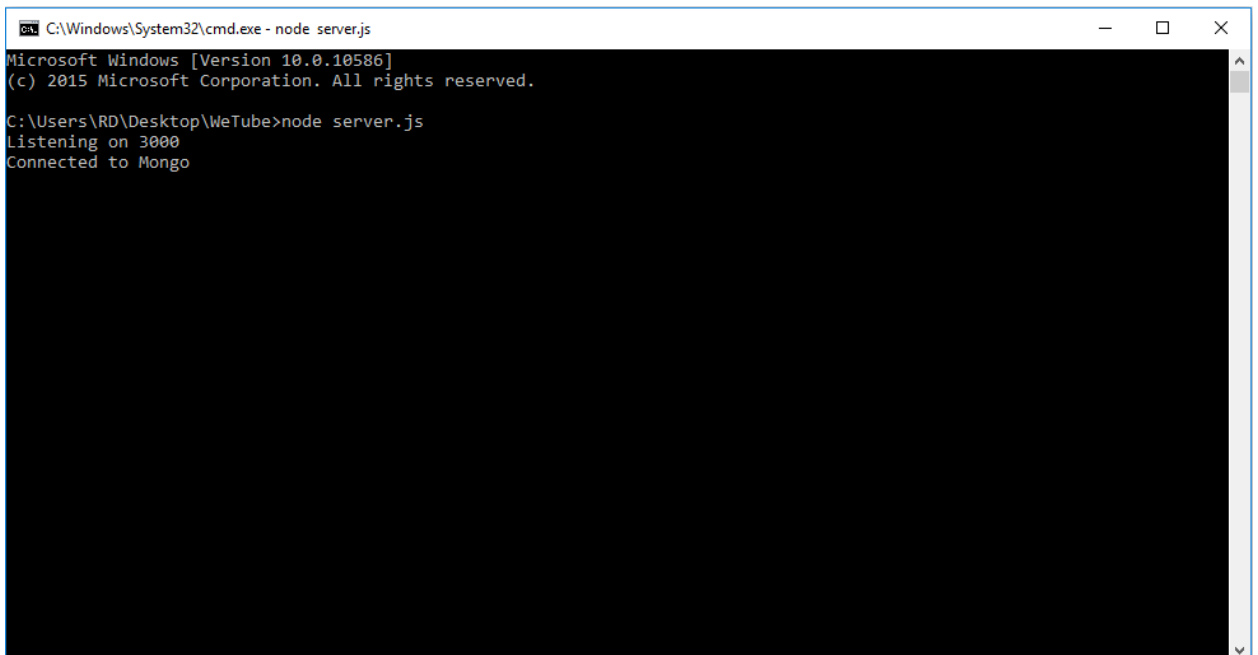
The steps for running the project is specified in the following steps,

1. Start the MongoDB database by firing the "mongod" server and then the "mongo" client.
2. Once the "mongo" client is up, switch the database name from test to 'wetube' as shown in the screen shot below.

A screenshot of a Windows command prompt window titled "C:\Program Files\MongoDB\Server\3.2\bin\mongo.exe". The text inside shows the MongoDB shell version as 3.2.4, connecting to a database named 'test'. A user enters the command '> use wetube', and the prompt responds 'switched to db wetube'. The prompt then shows '>' on a new line, indicating it is ready for the next command.

```
C:\Program Files\MongoDB\Server\3.2\bin\mongo.exe
MongoDB shell version: 3.2.4
connecting to: test
> use wetube
switched to db wetube
>
```

3. Now, run the server from the project folder with the command, 'node server.js' in the command prompt as shown in the below screen shot,

A screenshot of a Windows command prompt window titled "C:\Windows\System32\cmd.exe - node server.js". The text shows the Microsoft Windows version (10.0.10586) and copyright information. The current directory is "C:\Users\RD\Desktop\WeTube". The user enters the command 'node server.js', and the prompt responds with 'Listening on 3000' and 'Connected to Mongo'.

```
C:\Windows\System32\cmd.exe - node server.js
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\RD\Desktop\WeTube>node server.js
Listening on 3000
Connected to Mongo
```

4. Type in the url <http://localhost:3000/> in the browser to access the website.

