

# HACKATON

## YouSearch

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Team Name:

The Masters.

## **Introduction:**

**The YouTube Data API (v3) lets us incorporate YouTube functionality into a web application. We can use the API to fetch search results and to retrieve, insert, update, and delete resources like videos or playlists. In conjunction with the YouTube Player APIs and the YouTube Analytics API, the API lets your application provide a full-fledged YouTube experience that includes search and discovery, content creation, video playback, account management, and viewer statistics.**

**We Used the Youtube V3 Api for our You-Search Application. You Search provides login/logout functionalities, Remember me for remembering user id's, Forgot password, user will be able to search videos, user will be able to see all the recent searches. Yousearch is consistent and can run on any type of mobile or desktop device.**

## **Login/Logout Functionality:**

### **Operational Description:**

If a user wants to access the home page, he/she has to login with his/her login details that would be his/her registered username and password. A valid user is directed to the home page. If the user enters invalid details then the user is redirected to login page again. In case if the user is a non-registered user then he/she has to register by providing his/her new username and password. Once the user registration is successful he/she can login on the login page. If a user forgets his password he/she has the option named 'forgot password' to reset his password.

### **Constraints/Exceptions:**

A non-registered user is not provided any access to the home page. A registered user with invalid details will not be able to login and an exception is raised.

### **Service Flow:**

User fills out his/her user name and password

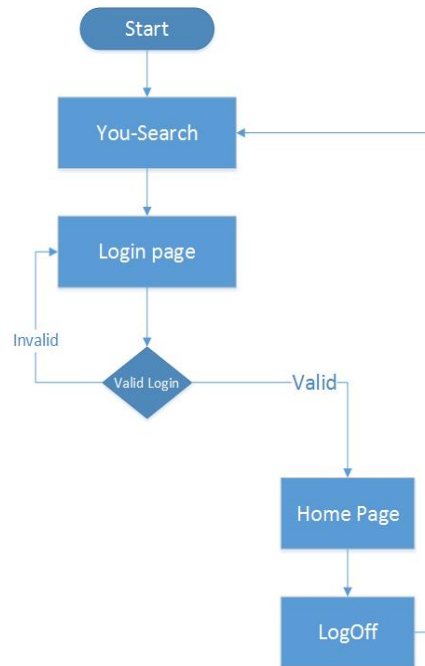


If details are valid then directed to home page or else he/she will be again directed to the login page.

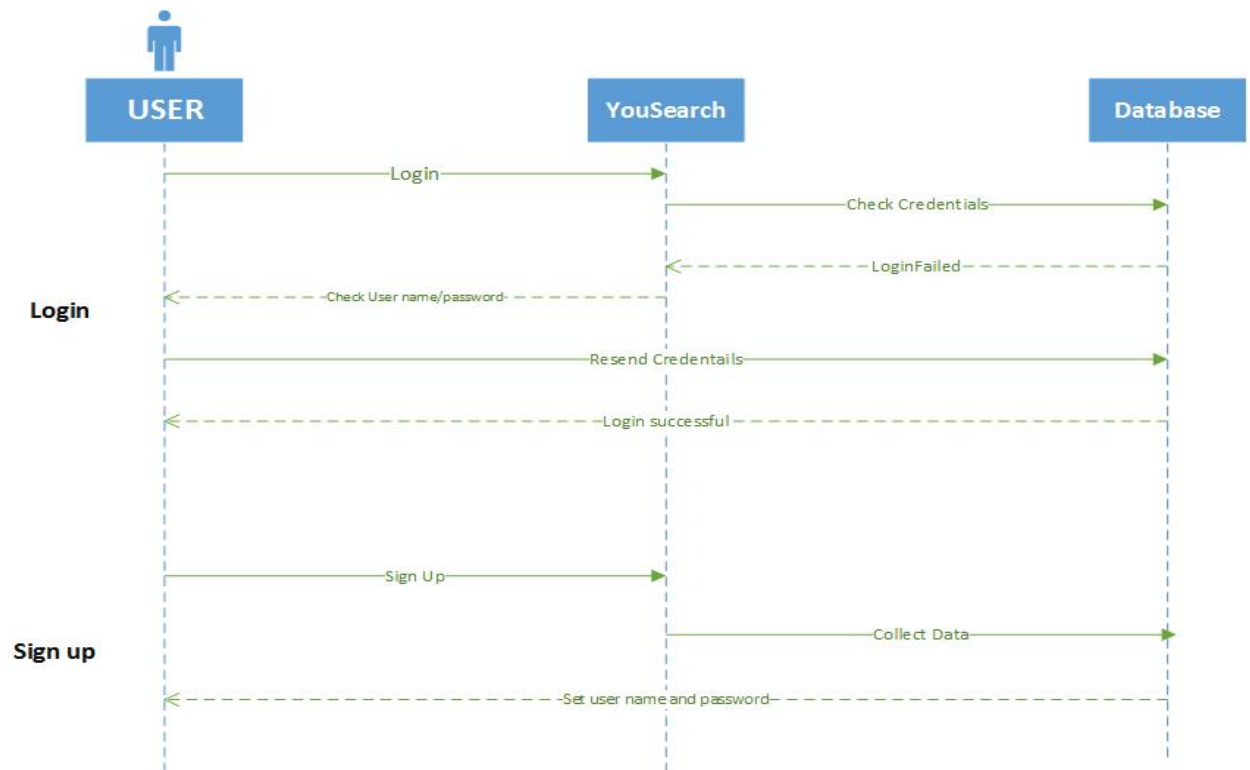


Access to home page services.

### Flow Chart:



### Sequence Diagram:



## Youtube API Functionality:

### Operational Description:

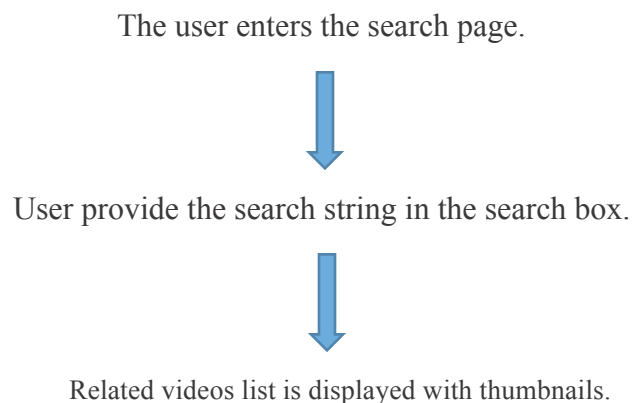
The YouTube API (Application Programming Interface) allows user to access video statistics and Youtube channels' data. A listType parameter value has to be provided as search which

specifies the search query. The listType parameter, in association with the list parameter will identify the contents that will load in the player. Valid parameter values are playlist, search, and user uploads. The search request string provided in the search is passed as a query parameter and the values (list of videos in this case) that specify to this relative string are retrieved. This returns the list of related videos that contains the search value provided by the user.

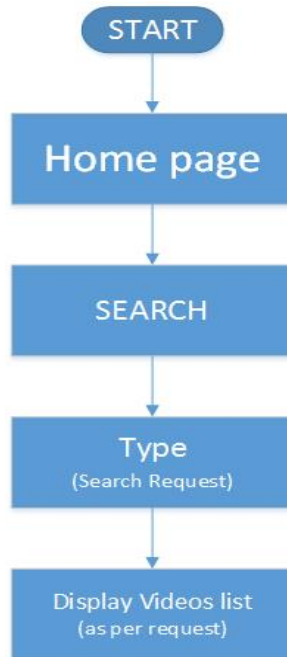
### **Input/Output:**

A register user can access to the home page provided with a search option. He/she has to provide a search keyword(s) (a part of the name of the video) to find videos that he/she wants to view. The input search key(s) that are provided by the user is used to retrieve the list of videos that are related to the key string. If the user provide a valid key string in the search the list of videos related to his search are displayed.

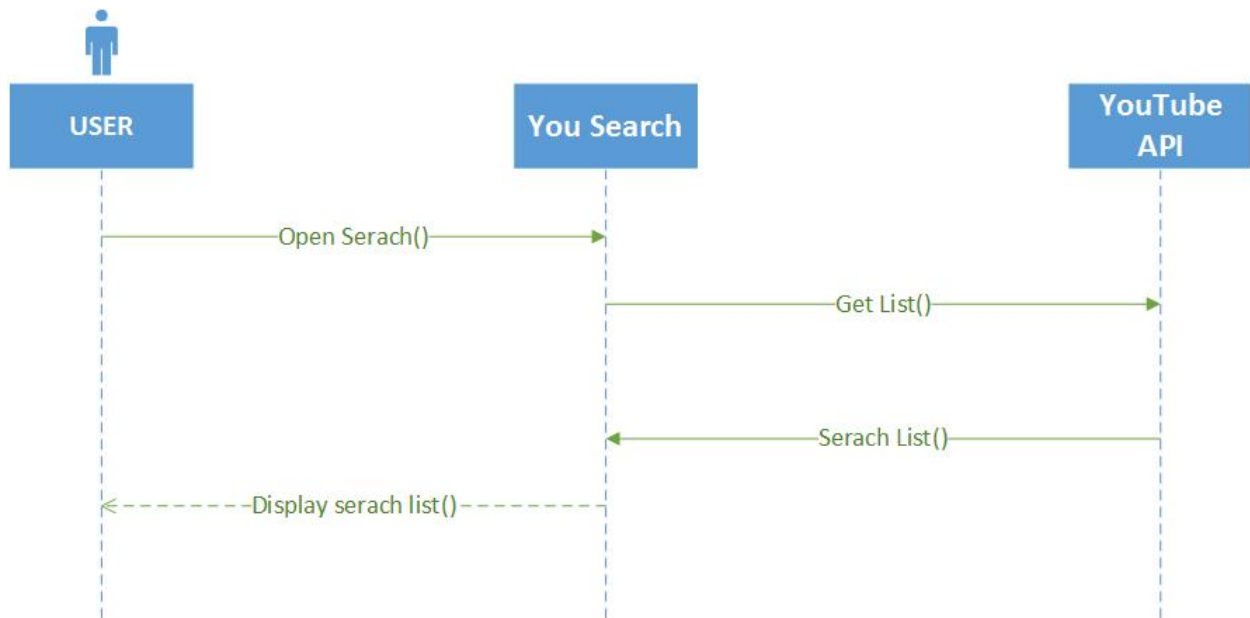
### **Service Flow:**



### **Flow chart:**



### Sequence Diagram:



### ScreenShots:



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### Recent Youtube Search's

Search's	
1	umkc
2	telugu
3	asp.net
4	googleDev
5	latest movies
6	ibm
7	DST kansas city
8	Youtube Api

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About IP ad...4096 Color ...CSS - Bootst...New TabHome Page ...New TabHome Page ...Home Page ...Log in - ...x

localhost:4124/Account/Login

Search

Recent Search'sRegisterLog in

## Log in.

Use a local account to log in.

User name

vishnu

Password

.....

☐ Remember me?

Log in

[Register](#) if you don't have a local account.

[Forget your password?](#)

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Windows

Ask me anything

10:47 PM  
4/19/2015

About IP ad...4096 Color ...CSS - Bootst...New TabHome Page ...New TabHome Page ...Home Page ...Home Pa... x

localhost:4124

Search

HomePageContactYoutube V3 API

System Web: Mac, Firefox, Mac, Firefox [?]

Hello vishnu!Log off



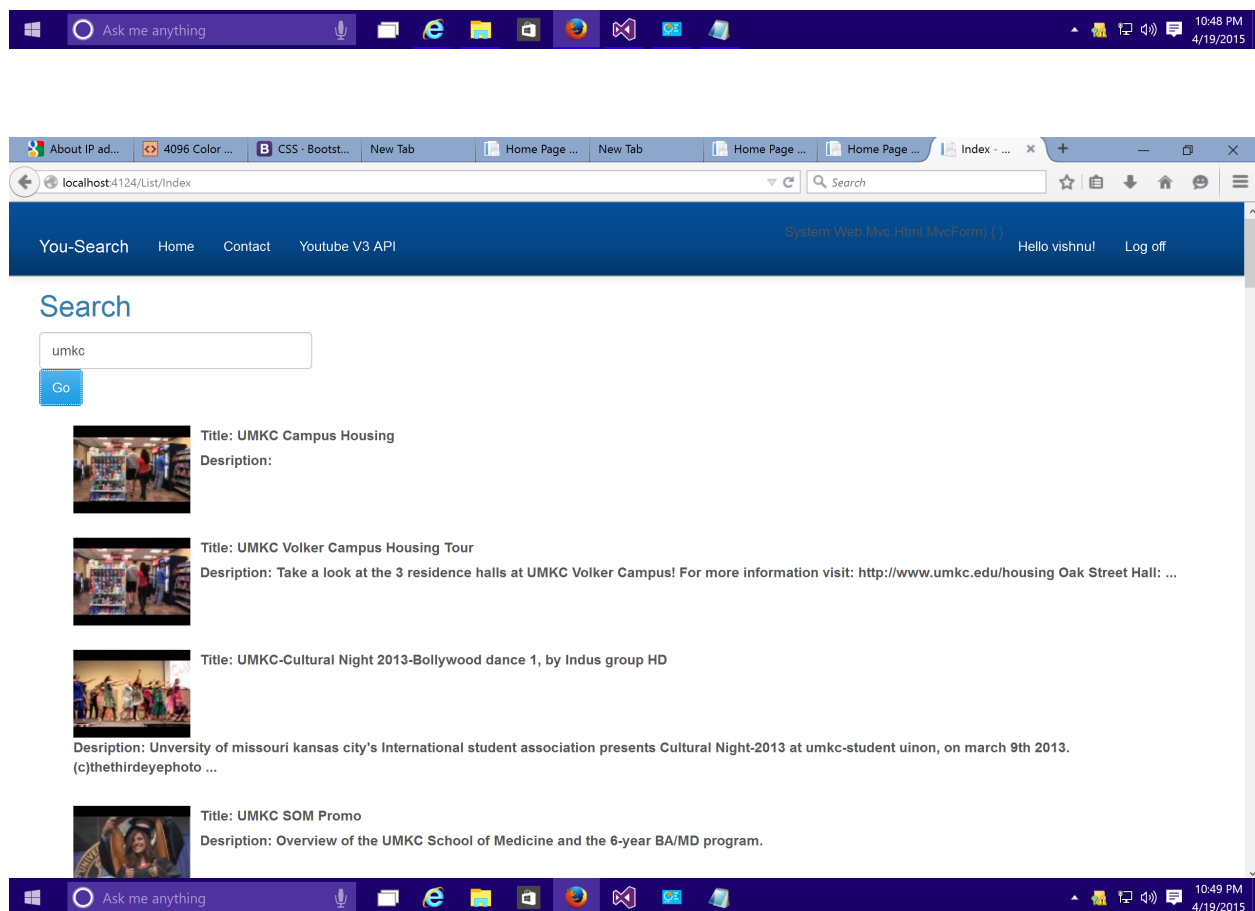
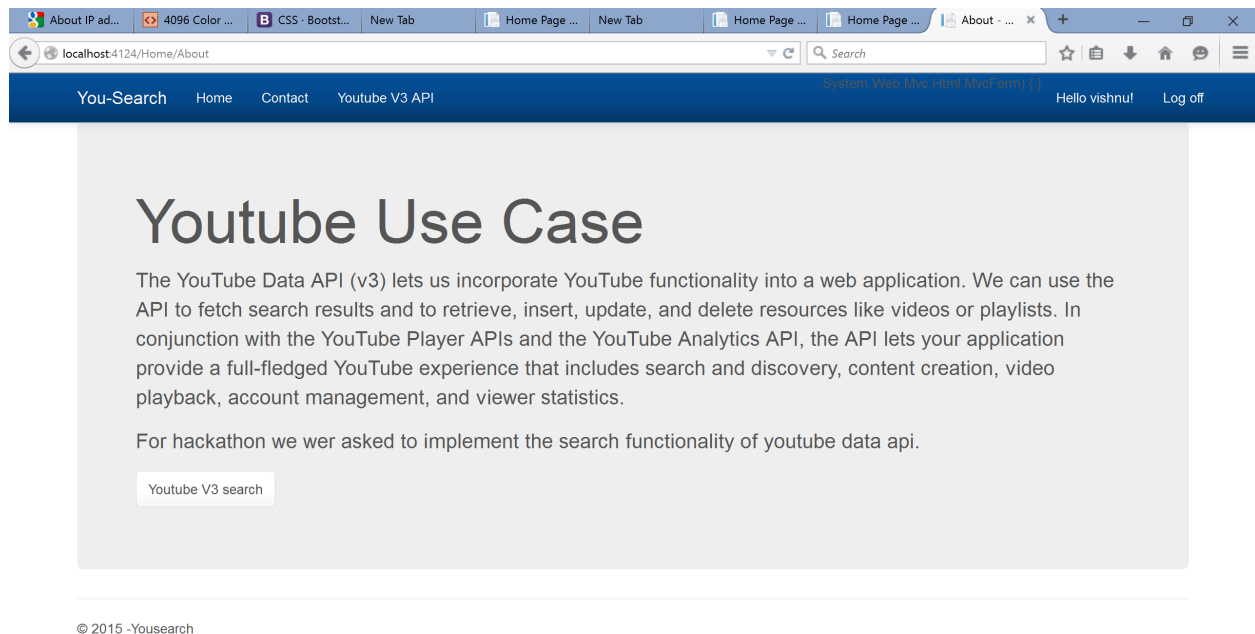
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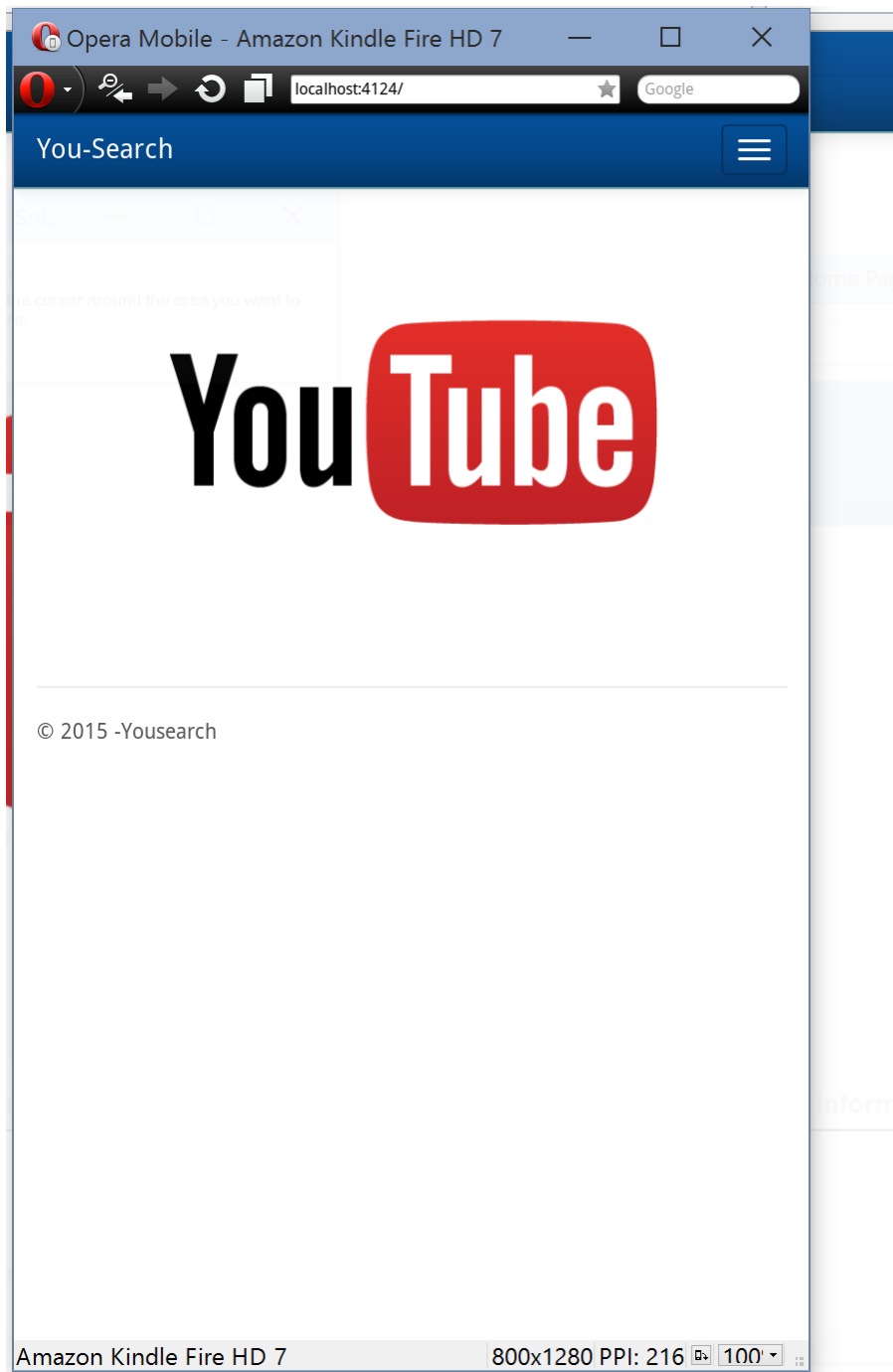
Windows

Ask me anything

10:48 PM  
4/19/2015







**Youtube Link: <https://www.youtube.com/watch?v=f8cZvtI6jGc>**

## **Software:**

### **Visual Studio 2012:**

Visual Studio Professional 2012 is a complete collection of developer tools and services to enable a developer to create applications for the Microsoft platform and beyond. It is a set of IDEs (Integrated Development Environments) developed by Microsoft that simplifies the tasks of creating, debugging, and deploying soft wares for windows, Microsoft Office and the web.

### **Opera Mobile Emulator:**

Opera Mobile Emulator is a software developed by Opera for the use of web developers and designers to test websites on the Opera Mobile browser. It consists of the same engine and UI as of the Opera Mobile on mobile phones. Some other debugging tools are also available, such as keyword shortcuts, the profile selector etc.

Database: Sql Server local database .

Front End: HTML,CSS

Backend: C#

## **Implementation**

- Work Completed:
  - Yousearch Application: Vishnu
  - Yousearch Video : Vishnu
  - Presentation: Shyam
  - Documentation: Shyam
  - Research: Karthik, Nikhil

## **References:**

[http://en.wikipedia.org/wiki/YouTube\\_API](http://en.wikipedia.org/wiki/YouTube_API)

<http://www.smashingmagazine.com/2012/08/30/responsive-designs-opera-mobile-emulator/>

<https://www.visualstudio.com/>

getbootstrap.com