

**Documentation  
On  
Hulu Streaming Platform  
For  
Code Fellas  
Techno club GBU  
By  
Web Cyborgs**

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## **Abstract**

### **Problem Statement**

Develop a website which allows to access various contents such as movies, cartoons, anime, TV shows, documentaries etc. without need to download any external software/application on multiple devices.

### **Problem Solution**

Acronym OTT stands for Over-the-Top. Unlike traditional broadcasting, you don't always need to have your TV to get access to your favourite shows. As long as you are on any device with Wi-Fi and an internet connection. All you need to do is download the necessary apps and register with the particular service. You can also share the same account among multiple devices such as Smart Tv, PC, Mobile Phone etc.

Media streaming services have a definite edge over standard cable packages. Not only do you have access to thousands of movies, TV series, and documentaries at a reasonable price, but you also can watch them wherever and whenever you want. With this approach, users don't need to download apps and can directly access their favourite shows via the website which saves a lot of memory space for our users. Also, a user may access their favourite shows easily from any of the browsers.

### **Requirements**

#### **Recommended hardware requirements:**

512 mb Ram  
16 Gb HDD  
4GHz minimum, multi-core processor

#### **Recommended Software requirements:**

Web browsers: Google Chrome, Mozilla Firefox, Internet Explorer, Opera mini etc.  
Window 8 or later OR macOS Sierra 10.12 or later  
Internet service

### **Technologies Used**

**HTML:** HTML is a markup language which is used to structure the web page and its contents.

**CSS:** CSS is a language which is used to design the HTML documents.

JavaScript: JavaScript is a text-based programming language used both on the client-side and server-side that allows to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.

JQuery: JQuery is a framework built with JavaScript which helps to add extra functionality to the website. It simplifies CSS animation, event handling and Ajax.

Bootstrap: Bootstrap is an HTML, CSS & JS Library that focuses on simplifying the development of informative web pages (as opposed to web apps). The primary purpose of adding it is to apply Bootstrap's choices of colour, size, font and layout to the project.

## **Project Description**

Our project Hulu clone is a Video streaming website to watch our favourite TV shows, Movies, Documentary etc. In this project, we have developed the front end of a video streaming website. The language used to develop this website are HTML, CSS, JavaScript, JQuery and Bootstrap. We can watch our favourite shows trailer. The main aim of this website is to give our users the best streaming experience with a friendly interface compatible with various devices with a minimalistic design.

## **Scope**

- o login/sign up: We can login/sign up on the website to watch our favourite shows.
- o Categories: All the shows are divided in subcategory for ease of our users to surf through their favourite genre like sports, movies, trending etc.
- o watching trailer: You can watch the trailer of the movies which are not released yet.
- o free trial: if you don't want to login/sign up you can access the content with our free trial feature
- o premium: we have also added a premium feature for the premium users as they will be only allowed to access a particular set of shows along with other shows accessible to everyone.

## **Future scope of extension**

The website Hulu will revolutionize the way we watch our favourite TV shows, movies, documentaries etc. Since everything will be available on the website and accessible from anywhere and anytime more users and publishers will use this website. Over to that, it doesn't consume any memory which resolves the main problem of binge-watcher as they can watch multiple shows with multiple seasons just with a simple device and an uninterrupted internet.

For publishers, it is also reliable because of its user-friendly interface, minimalistic design and easy to go approach.

## **Challenges faced**

### Selection of topic:

At first, we were little confuse while choosing the topic for our Hackathon. As a team of hungry and foolish engineering graduates we started to find problems faced by us. At sudden the idea of Hulu clone stroke our mind since we don't have access to any source of entertainment. It would be a great idea to build up a platform where we can enjoy shows of various genre accessible to multiple devices and as it is a web site so it will not even occupy memory of your local machine.

### GitHub:

As a team of developers we were new to GitHub. We were super confused and overwhelmed when we first used Git and GitHub. Like why should one use it? What's the need? Commands like git push, git commit, and many more were hard to digest. But as we know hackathons are for learning new tech and exploring new horizons we decided to learn it. Once we invested time and explored git's environment, I was astonished by how incredible it is and makes work easier.

### To design User Interface:

In our journey of Hackathon the biggest challenge was to design our website so that user of different age group and different backgrounds can handle it easily. The aim was to keep the UI minimalistic with an attractive look.

## **Conclusion**

The purpose and objective of this website are achieved by providing an extremely user-friendly interface, video streaming is easy and accessible on multiple devices. Flexibility in designing makes user explore their favourite shows and thus, even a toddler can easily use this website as it is designed by keeping in mind multiple factors that provide the same experience and is easy to use for each user.