

WEB

HYPERTUBE

What is Hypertube:

- to make a streaming video site and downloading via the BitTorrent protocol.
- A Clone to popcorn time, here is their website for reference: <https://popcorn-time.to/>

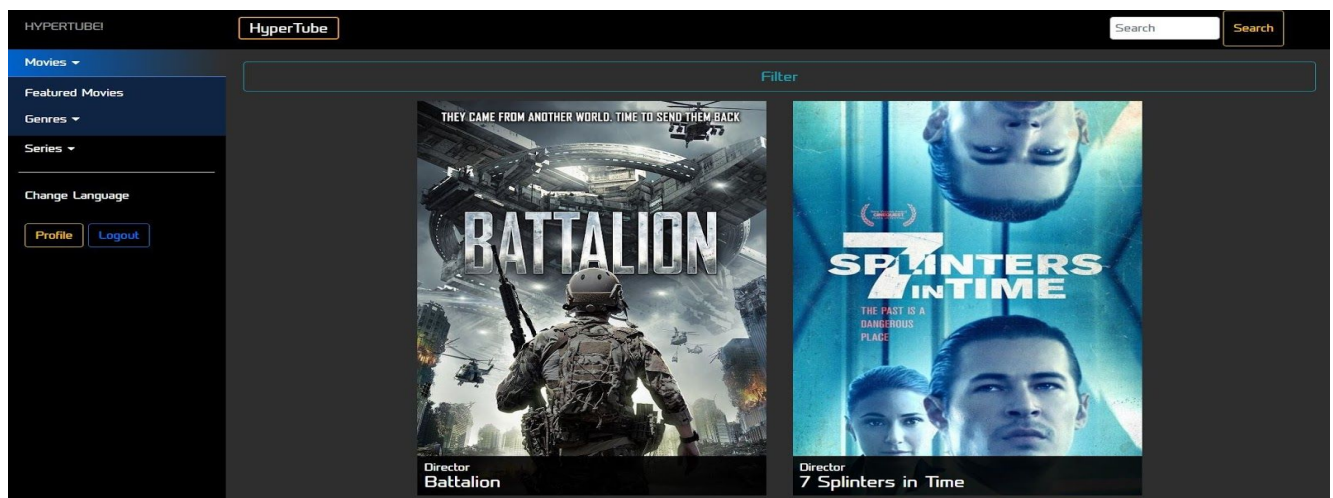
How to run Hypertube *(if applicable)*:

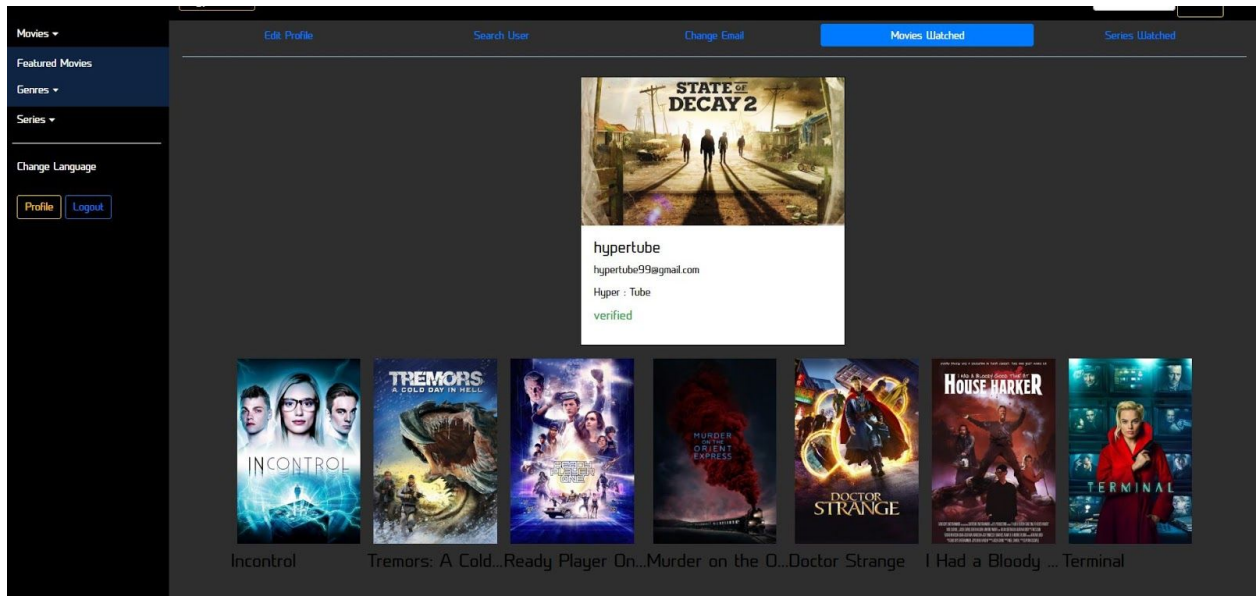
- This depends on what frameworks, languages you use etc.
- But for my example I used angular 5 and NODEJS.
- To run the project type **ng serve** or **nodemon** (<https://nodemon.io/> for the install instructions), this will run the angular webpage and again this depends on your structure of the website have a separate terminal to run **nodemon server.js** to run the server which handles all the downloading and streaming of the movies/series you download.

Important to note:

- Make sure the website is responsive and able to scale to any screen size from laptop to Iphone 4 (that is the smallest screen size we went)
- Find a service that can download the movies/series using the BitTorrent protocol
- Authentication protection (they can't access certain areas without being logged in)
- 42 LOGIN and another Oauth of your choice e.g. google, Github etc
- Websites where you are going to download the movies/series must be legal (if you are building/testing at campus so you don't get given a warning/thrown out) otherwise go wild 🍌😂.
- You will need a database be it a SQL, NO SQL or JSON database as you will need to search for users.

Your output:





First steps:

- Decide what languages you are going to use
- Get a basic website design up and running
- Get the website to talk to the DB of your choice
- Get OAuth working

Next steps:

- Research how to download movies using the Bittorrent protocol
- Find a way to pull movies/ series from the websites of your choice and display the relevant info on your webpage
- Download the movie / series
- Stream the downloaded movie / serie on your webpage

Notes:

- Difficult parts may be downloading the movie/ series as well as streaming it
- Always make sure that the design comes last and that the functionality of the website comes first.