

Assignment #10 – TV Search



The Assignment contains the following subjects:

- o Python syntax
- o Bottle web framework
- o JSON format

Submitting instructions:

- o You should submit this assignment **in pairs**
- o Submit only *.py files you are not allowed to change the front end at all



Understanding the task

Tv search is a web application that allows users to browse and search through number of popular TV series. You can see the exact behavior of the app online <https://itctv.herokuapp.com>
Your job is to implement the entire server side and make the app work as it should.



Approaching the assignment

1. Fork the project on [GitHub](#).
2. Go through the provided code, see that you understand how the client side of the app works. unfortunately you won't be able to run the app locally without a server.
So try to implement the main URL "/" first so you'd be able to see the app running.
3. Map all of the required URL's and create a handler for each.
4. Try to understand the JSON response being templated in the HTML files in order to create the required JSON so the template will not break.



Basic Requirements

1. All of the functionalities of the school solution should work
2. For the search functionality search for the string in episode name and summary
3. Try to reuse code on the server by writing functions
4. Pay attention to the Single page app nature of this implementation /ajax request for example.
5. Return the same 404 as the solution online when no episode or series exists.

↩️ Implementation constraints

1. You are not allowed to change anything in the provided code. You should submit the server side only
2. You may use multiple files in the server



Tips

1. Implement one URL at a time
2. Use mock responses at first (not the full blown JSONs) and try to understand how the templates use the data.



Geek out

1. Allow /browse to receive a parameter called order that can accept 2 different values
 - a. Name
 - b. Ratings

The shows should be ordered by the provided value



Unleash the ninja within

Do not use the Provided JSONs, Use the original API