Panopto Video
- Course Survey
- Library Resources
- Record Your Name

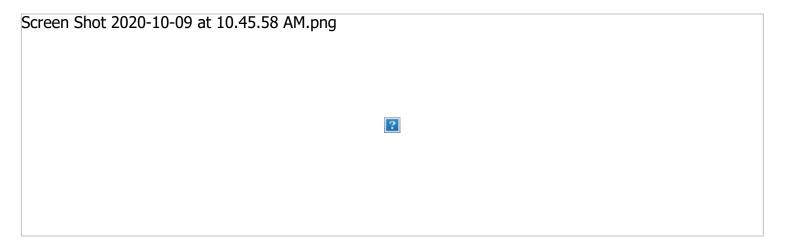# React Exercise

- Due Mar 7 by 11:59pm
- Points 100
- Submitting a file upload
- File Types zip

For this exercise you are going to take the updated TV Maze code found on GitHub: https://github.com/stevens-cs546-cs554/CS-554/tree/new-tv-maze-functions/react_second_lecture/tv-maze-function-components (Links to an external site.)

Review the TV Maze API documentation: http://www.tvmaze.com/api#show-main-information (Links to an external site.)

Specifically the part on pagination for the show list:

Screen Shot 2020-10-09 at 10.45.58 AM.png

We have seen the Shows TV maze url before: http://api.tvmaze.com/shows (Links to an external site.)

We can see from the documentation, that the shows returned at that URL are just the first 250 shows in the dataset.

You will take the code from the course GitHub linked above and then modify it. You will add pagination to the shows list. This will help you when we get to our lab on React as you'll need to implement pagination into that lab so this will be good practice.

You will need to make sure the the URL displayed is the page number for that set of shows. I would recommend perhaps using a different URL pattern like localhost:3000/shows/page/0 Would show the initial list of 250 shows, localhost:3000/shows/page/1 would show the next 250 shows and so on.. Manually changing the URL in the URL bar should also work and trigger the data change.

In the list of shows, you will have a next and previous button/link that will go to the next page. so for example, if you are on localhost:3000/shows/page/0 and click Next, it should show the URL localhost:3000/shows/page/1 in the URL

address bar and then fetch the 2nd page of shows.

The Previous link should NOT be visible on the first page since there are no previous results. On the last page of the results, you will not show the Next button/link since we are at the end of the results.

For the pagination, you'll want to use a useEffect hook that depends on : `props.match.params.pagenum` where `pagenum` is the name of the parameter you define. (you can see this in the show details component, I watch for changes to the id in the URL)

Here is a video going over the changes that were made to the TV Maze Codebase, and I also demo the pagination from the older lab 4 on React so you can see how it should work.

React Ex.mp4 ☐ Download React Ex.mp4 Play media comment

Previous Next

Submission

Submitted!
Mar 7 at 3:07pm
Submission Details
Download Yufu_Liao_CS554A_Lab4-1.zip
Grade: 100% (100 pts possible)
Graded Anonymously: no

Comments:

Good work, just make sure you handle 'loading' and '404' cases individually.

Manas Acharekar, Mar 10 at 2:44pm