

Web Application Development for React Assignment

Objective:

The goal of this assignment is to create a functional web application using React.js to showcase your understanding of fundamental web development concepts, your proficiency with JavaScript and React, and your ability to create a user-friendly UI/UX.

Task:

You are to build a simplified "YouTube Clone" web application. This application should allow users to:

1. View a list of predefined video thumbnails.
2. Click on a thumbnail to play the video.
3. See basic information about the video such as the title and description.

Note: You will be calling the videos API in a paginated manner.

(Read this to know more about API pagination -

<https://nordicapis.com/everything-you-need-to-know-about-api-pagination/>)

For fetching videos use the below-mentioned API

```
curl --location --request GET 'https://internship-service.onrender.com/videos?page=2'
```

- `page` starts with 0 and you should call the API with incremented values for Pagination.

Requirements:

1. **React Components:** Your app should properly use React components, demonstrating the ability to manage and maintain state and props effectively.
2. **User Interface:** The app should have a clean, intuitive user interface that makes it easy to browse videos and play them.
3. **Video Playback:** You can use any public API or local data to retrieve videos. Use HTML5 video or a library like react-player for video playback.
4. **State Management:** The app should properly manage the state of the video list and the currently selected/playing video.

Note: You will be calling the videos API in a paginated manner.

(Read this to know more about API pagination -

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For fetching videos use the below-mentioned API

```
curl --location --request GET 'http://localhost:6000/videos?page=2'
```

- `page` starts with 0 and you should call the API with incremented values for Pagination.

Bonus (not required, but will add value):

Responsiveness: Make the design responsive so it works on various screen sizes and devices.

Submission:

Please submit your completed assignment via GitHub. Include a README with instructions on how to install and run your application.

Also, host this website on free web services like Heroku, Netlify, etc, and add the link in README.