



Home Assignment

Fullstack - React js + Nodejs

Homework will prove your programming abilities. The code in the application should be following these criteria: comments in code, clean, flexible and scalable code.

- Open a new React js project.
- Create a store using Redux.
- Before the *App.js* render you need to make a server call to the URL:

[https://pixabay.com/api/?key=25540812-faf2b76d586c1787d2dd02736&q=\\${CATEGORY}](https://pixabay.com/api/?key=25540812-faf2b76d586c1787d2dd02736&q=${CATEGORY})

- The CATEGORY is the end-point and can contain all kinds of parameters for example: sports, work, etc.
- The *App.js* need to render photos from the data you received. The images display should be 3*3.
- Display only the first 9 elements from the array.
- Create 2 Buttons. The first Button in the top-left with name “prev” and the second in the top-right with name “next”
- Use the node.js server to implement pagination and use it with adding a *prev* button which will replace the items by 9 backwards. And a *next* button, which will replace the items by 9 forward.
- Add a button to the top-center of the screen. On press, the modal will appear and you will select the type of the photos, for example: animals, Sport, work etc.
- When you select the type you need to make a server call and get the new data. The type should replace the end-point CATEGORY.
- When you press on an item the modal will appear and will show the relevant parameters of the element such as: views, downloads, collection etc

Nodejs:

- Create a node.js project with organized and understandable architecture.
- Use express.js to build rest api.
- Add few routes which contains the requests to pixabay api with:
 - Sorting function on the images by id or date.
 - Pagination function according to the client side requirements.
- Keep efficient and clean code, use error handling and documentation with comments.