

Code Challenge - Frontend React.js

Storyline: Your Online Sports Goods Shop

Scenario

Welcome to the Sports Equipment Online Store Ad Management Code Challenge!

As a response to the changes brought about by the pandemic, you have decided to create an online store for sports equipment that aims to replicate the gym experience at home. You have completed your website and found a reliable supplier, but now you need to increase awareness of your store. To achieve this, you have decided to launch a Facebook ad campaign. However, with a wide range of products, you need an internal tool that can assist you in creating and managing your Facebook ads for sports goods efficiently.

Can you develop a solution that will simplify the ad creation and management process, making it easier to promote your online store? Show us what you can do!

Goal

The objective of this project is to develop a web application that facilitates the management of social ads on Facebook. The tool should enable the user to view and manage all current Facebook ads, as well as create new ads and modify or remove existing ones. Each Facebook ad will comprise one or more images, a description, a headline, and a call-to-action (CTA).

For reference, you may consult a sample Facebook ad at <https://admockups.com/facebook-ad-mockup>

The application should support multiple posts for each product from the following list of potential products:

<https://drive.google.com/file/d/1NIX8tLRNDECG81UCxHjD1gH4Gz2Vy93R/view?usp=sharing>.

Note: The tool should support creating multiple posts for a specific product.

View Requirements

- **Index view:** List all the products you could create facebook ads for. Include information like name, price, and description. Clicking on the name of the product opens the belonging ad(s) if any. (aka ReadView)
- **Read view:** Show all the ads related to the selected product. The ads should look like the provided mock. The ReadView gives you the ability to create a new ad (CreateView) as well as editing an existing one (UpdateView).
- **Create view:** This is the main view that helps you create a new Facebook ad for a given product. Enable uploading images, adding a description of the product and changing the main headline.
- **Update view:** In this view, you should be able to make changes to your existing facebook ads.
- **Delete view:** A modal prompt that overlays the other views asking for confirmation before deleting an ad. After deleting a post, go back to the index view and show a notification that the deletion was successful.
- **Navigation View:** There should be a navigation bar or button that allows you to quickly go back to the index view from all points in the app. Use the *react-router* package for this functionality.

Code Requirements

- Come up with your own data structure for handling the information about the ads.
- Make the views look pleasant for the eye
- Use the standard JSX-Format for the React components
- Make use of React hooks to handle state change in the functional components

Delivery

- Create a GitHub repo to host your code
- Please send us the challenge within 2 days after receiving it
- Please use Create-react-app to create a test server (no extra node.js backend needed) (<https://github.com/facebook/create-react-app>) and setup up the structure to make react work
- Add starting instructions to a README.md