Project Title: Cofeed (Social Media Web Application)

Project Description:

1. Goals of the project
2. Design consideration and preferred aesthetic
   1. [Dribbble - Cofeed - Social Media Dashboard (2).png by Choirul Syafril](https://dribbble.com/shots/14405419-Cofeed-Social-Media-Dashboard/attachments/6080272?mode=media)
   2. Fully responsive design (fluid layout/units)
   3. SASS/BEM
3. What was your motivation?
   1. This project was developed solely for the purpose of learning, practicing and demonstrating my frontend development skills. It has no commercial use.
4. Why did you build this project?
5. What problem does it solve?
6. What did you learn?
   1. Although I have been developing in react for a while now and built many projects before, I consider this as my richest one. I have used many of the best practices and good patterns of React development. I have also developed complex UI and some real business features.
   2. What was new?
      1. Redux toolkit slices and its new action-creation logic encapsulation
      2. Built real-time chat using google firestore
      3. Implemented composable and reusable React hooks
         1. useClickOutside: detects a click outside an HTML element
         2. useAxios: encapsulates data fetching logic
         3. useTimeout: encapsulates setTimeout logic
         4. useEventListener: encapsulates event listeners logic
         5. useDebounce: debounces a callback function with a certain delay
         6. useSearchQuery: submits a debounced search request to the server
         7. and other application-related hooks…
      4. Use formik & yup packages to handle the application forms
      5. Vitest for unit testing
7. What makes your project stand out?
   1. I was very keen on making this project as scalable and cleanly written as well as I could. I was also focusing on keeping it with minimal code (reusable and composable pieces).
8. What popular design patterns & principles were used?
   1. DRY
9. If your project has a lot of features, consider adding a "Features" section and listing them here.
   1. The project consists of
      1. Global State Manager (Redux)
      2. API & Data fetching (Redux-thunk, Axios)
      3. Global authentication, loading & error handlers
      4. Main UI pages (Login, Home, Profile, Messages, Saved posts)
      5. Components (typography, buttons, layout, sidebar and other application-related components)
      6. Custom React Hooks
      7. Firebase for image uploads and real-time messages
      8. Utils, HOC & Test setup
   2. A user can …
      1. sign up/in
      2. forget/reset password
      3. upload a profile/post image
      4. create/update post
      5. send messages to other users
      6. like/comment on/save posts
      7. follow other users
      8. retrieve posts (all/followed/popular/newest/saved/liked/own)
      9. search for users
10. What your application does
    1. It is a social media application that allows its users to post beautiful images, like and comment on others’ posts, send messages through real-time chat and follow each other.
11. What and Why you used the technologies you used
    1. Tech used: JavaScript/React, Redux, Redux-thunk, CSS/SASS, Firebase, Vite, Babel, Vitest
12. Code Architecture, Folder Structure & Dependencies
13. Some of the challenges you faced
14. features you hope to implement in the future.
    1. View stories (images / videos / songs)
    2. Share posts
    3. Settings page
    4. Update user profile
    5. Notifications
    6. Sign in with other platforms
15. License
    1. This project was developed by me. I don’t own the design just the code.