### **12. BONUS (React.js): Sign Up & Login pages**

**Description:** Extra tasks for highly interested in Frontend development students. This work is more complicated than others, so stay strong - the reward is worth it ;)

**Wireframe template to Sign Up & Login pages (same link as before)**<https://wireframepro.mockflow.com/view/lviv-iot-react-app#/page/bb92d63b438c4b0d9d333f328c1d61a0>

**Requirements:**

* All of the requirements for previous React.js works should be kept.

**Functionality:**

* From this point, only Login and Registration pages are available for everyone. All your previous pages (Home/Catalog/Cart etc.) should be available **only** for **logged in** users.  
  *Hint: Use ProtectedRoute Pattern:*  
  <https://dev.to/pprathameshmore/protected-routes-in-react-js-216i>
* Check the value inside **LocalStorage** before letting the user access protected pages. If the value is invalid/empty - redirect him to the **Login page.**
* After user successfully authorizes (via login/registration) - store his credentials (email) inside **LocalStorage.** For consequent login/registration pages visits just check whether the value exists in **LocalStorage** and if it is - redirect the user to any protected page (i.e Home page).
* **Sign out** option just has to clear the **LocalStorage** value (and of course redirect to **/login**). This action could be made just as simple “Sign me out” Button.
* Keep the authentication process simple - there is no need to implement the backend part, only /login & /register endpoints with mocked response is enough.

**You did it, you …**



**My congratulations to everyone that has passed all this way by himself!**

**You did a lot of work and I am really proud of you, my children.**

*“Student life is the seed of your life,*

*Plaint it wisely…”*