Please create a basic file explorer.

We expect you to spend about 2-3 hours on this task, however you are free to implement any additional functionality you might find suitable.

When you are done with the task – please send us a link to any public git-repo where we can see your solution.

User stories:

1. User can create a new folder by specifying name (in modal window).
2. User can create a new file by specifying name and content (simple text) (in modal window).
3. User can navigate over folders (folders can contain other files and folders). By double clicking on folder's icon.
4. User can open a file to check its content (double click).
5. Folders and files are created in user's current location.
6. Entering text in search string should trigger a "filtration" request. Showing All files and folders containing entered substring in their name and/or content (for files). Please treat this functionality as if it was a real request to a real server.
7. (Optional) Please show totals in right bottom corner (all files and all folders in all subfolders relative to current user's location).
8. (Optional) User's location and created content must be saved between page reloads.
9. (Optional) Please add a basic navigation (clickable breadcrumbs and back button utilising history).

Requirements:

1. Use Typescript and React.
2. Use React functional components and hooks.
3. Write clean and reusable code. Avoid unnecessary mutations.
4. Provide a working solution, that we can run locally by "yarn install, yarn start"
5. Your solution should work at least in current version of Chrome browser.
6. You can use any libraries you want as long as they are not implementing the core requested functionality (e.g. you cannot use file explorer libraries)
7. You can write a simple server if you want to. But you are also free to use whatever solution you might find suitable. It's also ok to keep it frontend only.
8. You are free to use any state management library if you want.
9. Additional points for using Material-UI.
10. CRA and similar – are fine.
11. Wireframes are for guidance only; you don't have to repeat the designs.

Search...

Create new file   **Create new folder**

Home / Folder X / Folder Y   Back

Folder 1   Folder 2   Text File 1

Total: 7 files and 2 folders

New folder

Name...

Cancel   **Create**

New File

Name...

File content goes here....

Cancel   **Create**