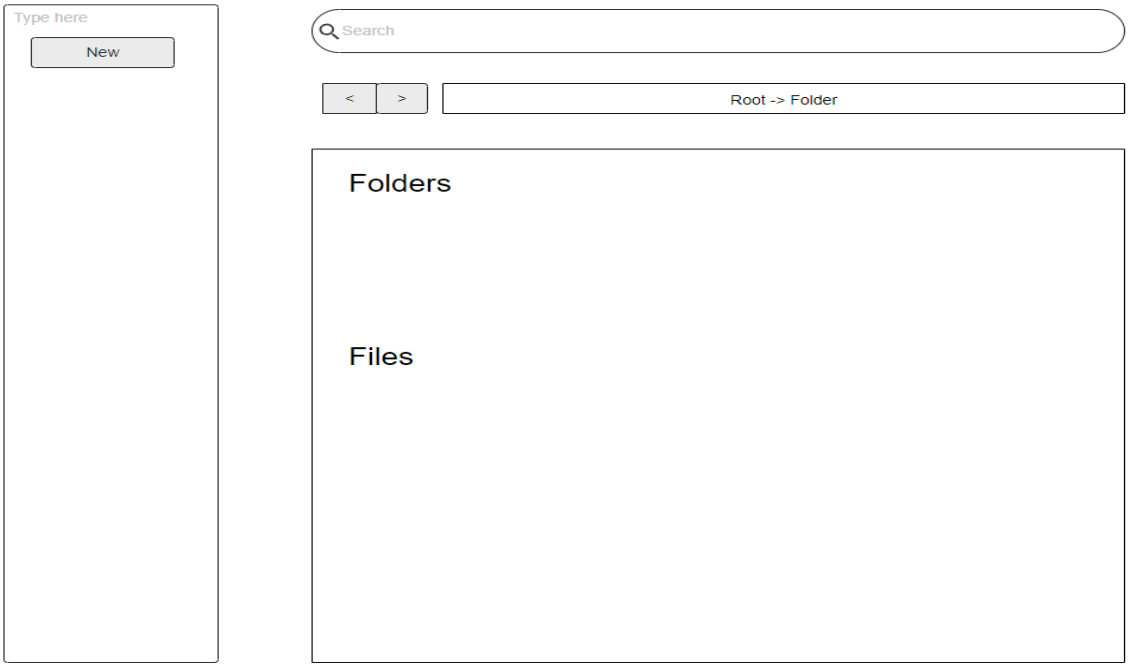
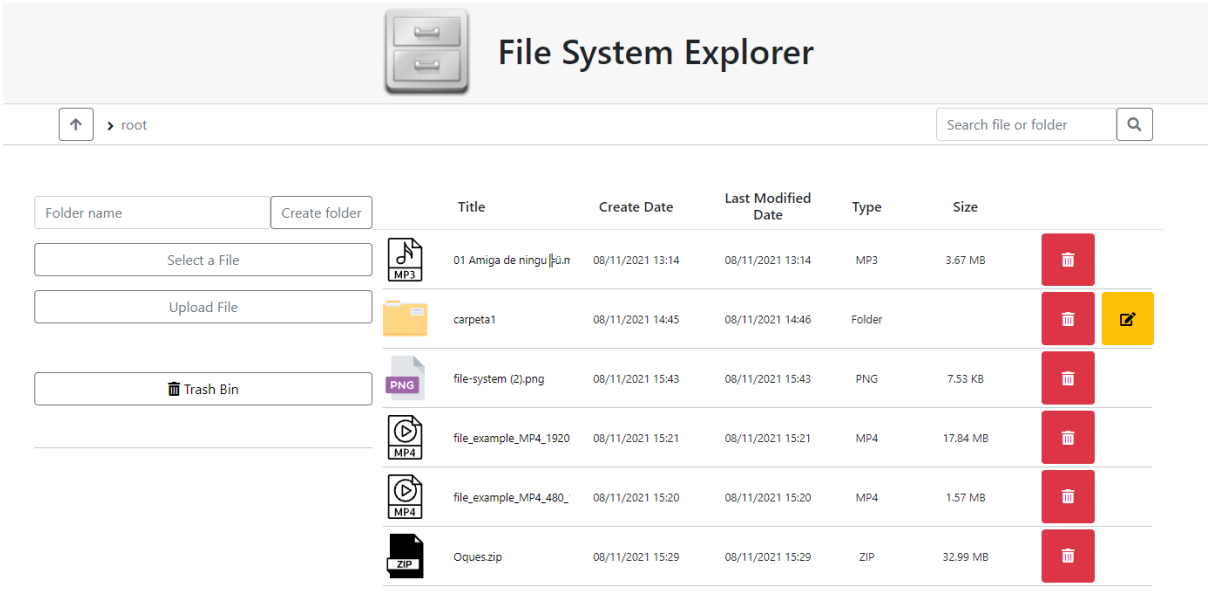
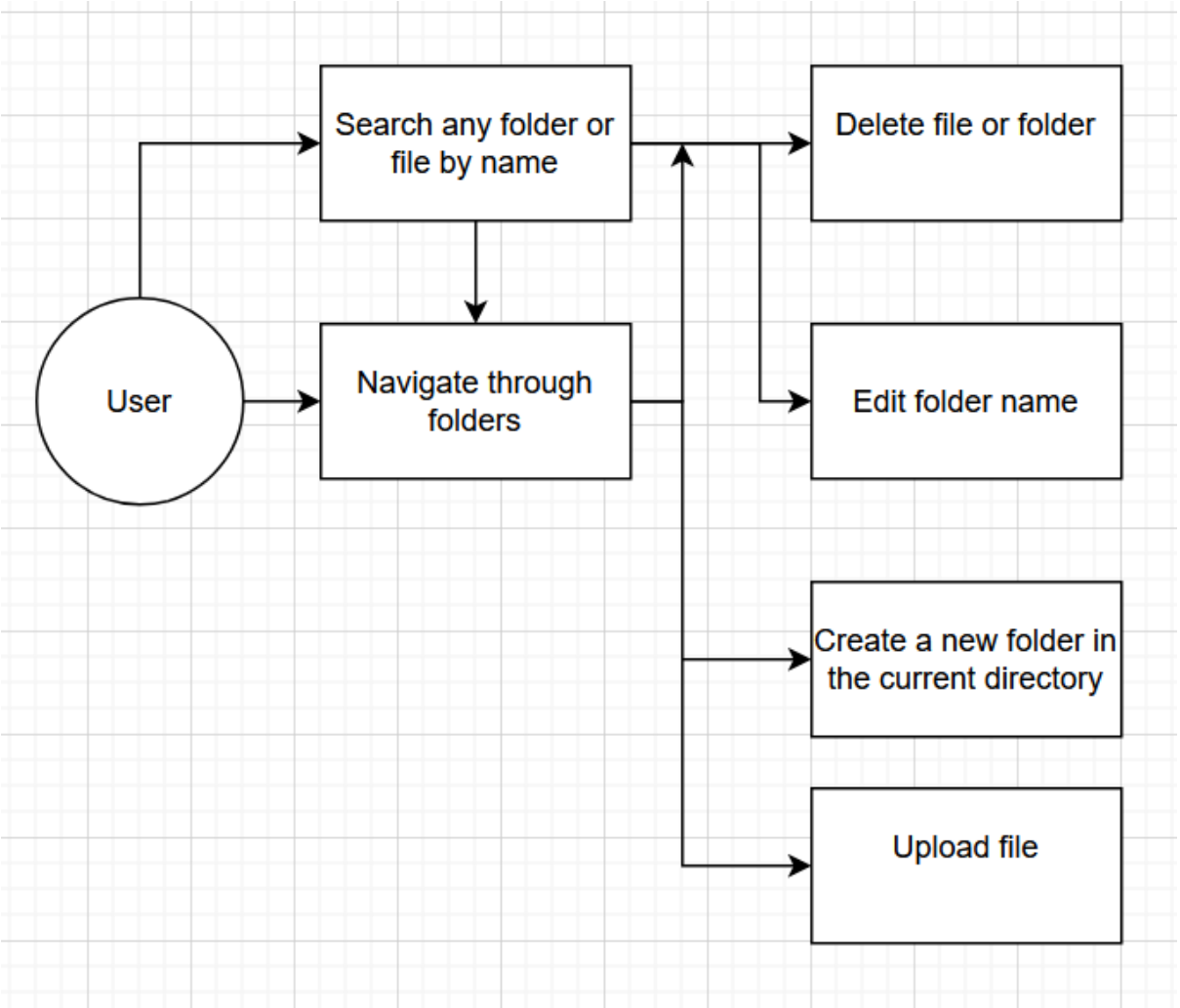
File System Explorer

Comparison of the original design (Wireframe) with the final result of the project





Comparison of the use case diagram with the actions that the user can finally perform



Initially we considered all the actions in the project requirements. So the navigation bar through folders was the main issue to solve because from that we can perform all the actions the user can do.

Once you are in a specific path the user can edit the folder name, delete the folder or file is selected or even create a new folder in the current path. Also can upload a file in the current path the user is browsing.

Additionally we implemented the search functionality. It can be used at any time regardless of the path you are in.

So the actions the user can finally perform match with the actions in the use case diagram.

What lessons you've learned during this project

We have learned how to do a SPA with PHP. We have implemented similar logic as React, we have a main index.php where we render other php files that are components /functionalities of the page.

We also have learned the concept of recursivity that was very important in this project. We used search and delete functionality. We needed to be able to read all the directories and files inside other directories until the tree was over.

Another new concept we learned in this project is how to do a Wireframe and a Case Diagram. It was useful for us to do this task as it helps to think before starting developing the project how it will be the final output and divide the tasks among the team.

What problems have you encountered when developing this project?

At the beginning we had some trouble trying to fix the url route to navigate between directories, thanks to a Peer Helping we learnt about the use of <a> elements with parameters and $_GET to save the route of the directory.

The search feature needed to read every single folder and file to match the search string so we needed to learn about recursive functions and use it also in the delete folder feature to be able to delete full directories.

How you have organized and distributed the tasks

We divided the tasks by functionalities. So once the main page index.php is created each member of the team should develop the assigned functionality such as create a new folder, rename folder, navigate bar, upload file… then periodically we arrange online meetings to check the progress and merge to the master branch what is performing with no bugs.