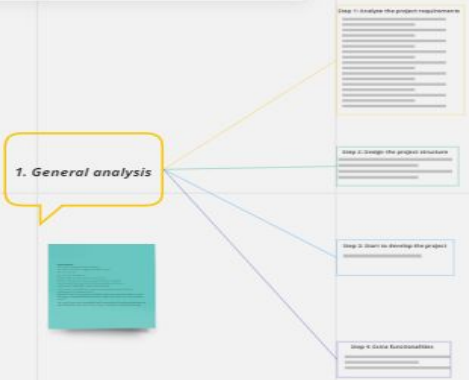
Filesystem Explorer

PHP Local FileSystem Explorer

Juan Carlos Cabello
Javier Fernández



Frame 1

IMPORTANT THINGS

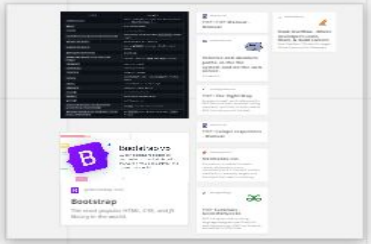
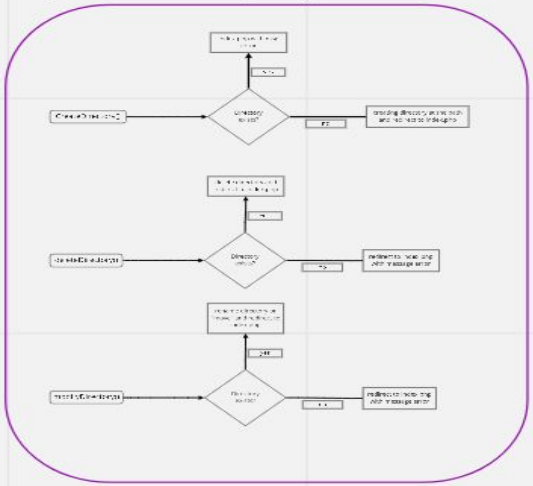


Diagram functions create, modify and delete directories



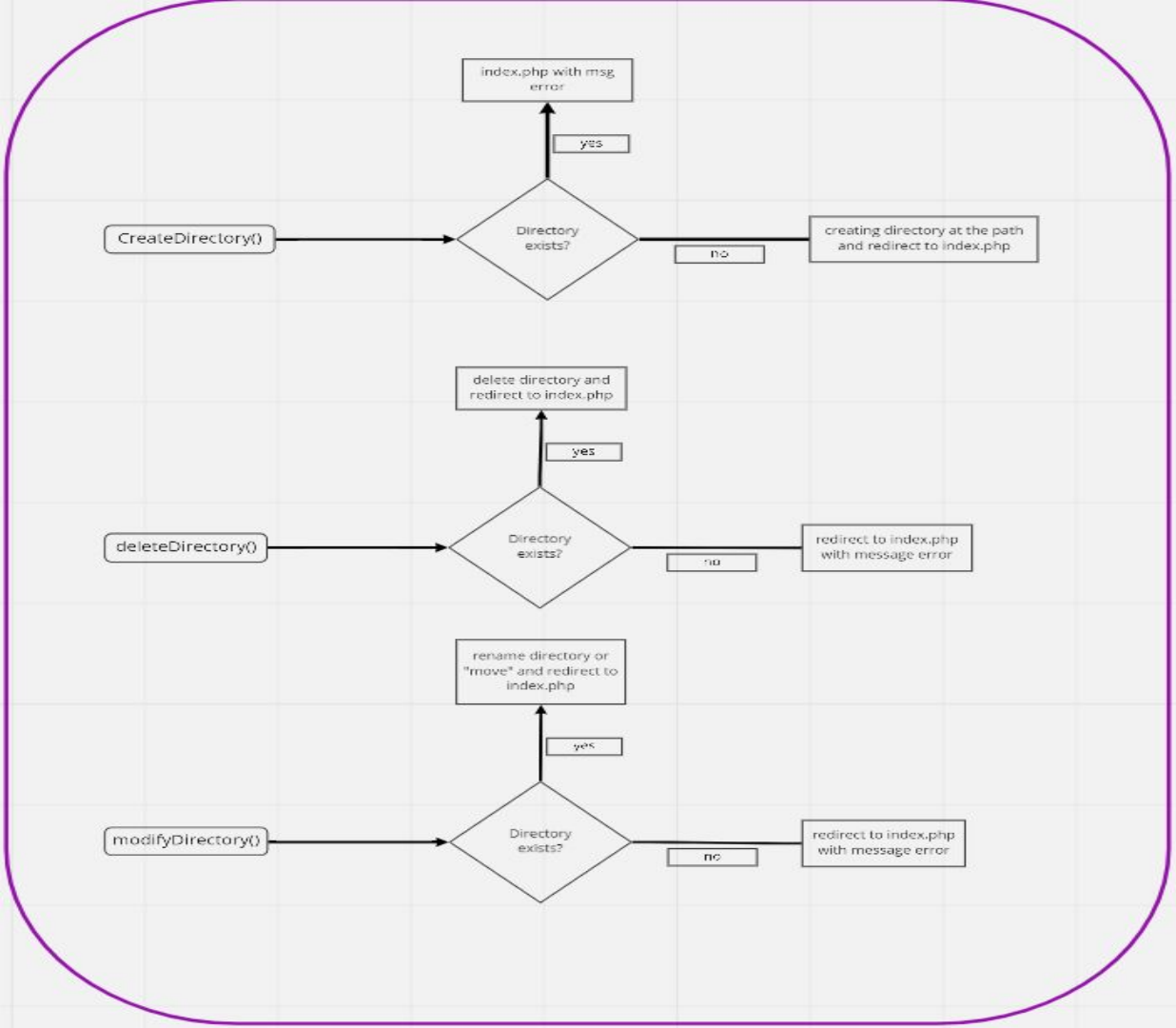


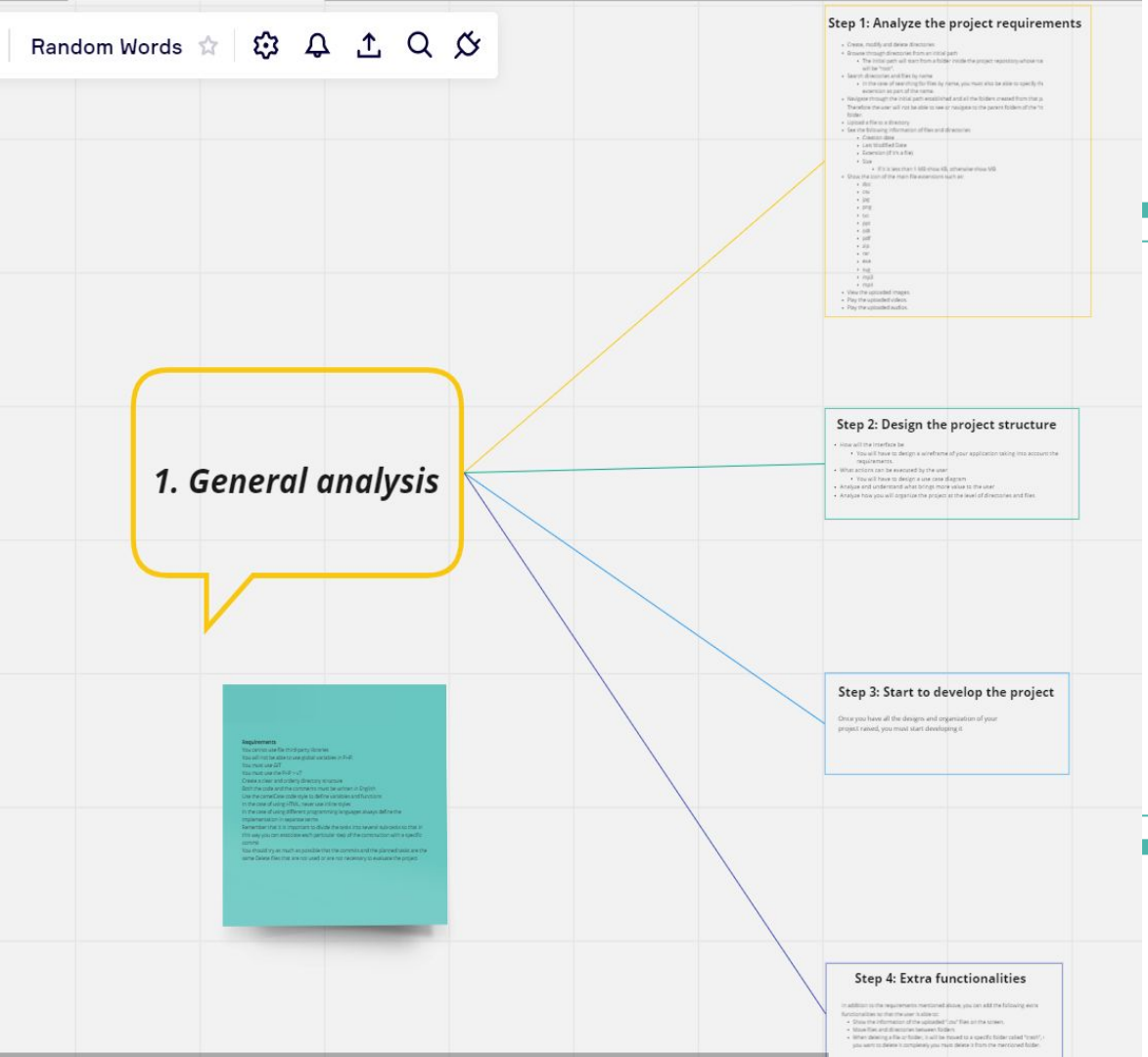
Diagram UML

We use Miró Application and UML Diagrams to organize and develop the code behaviour, to make easier the develop phase of the project.

https://cacoo.com/es/

https://app.diagrams.net/

https://app.moqups.com/sign-up



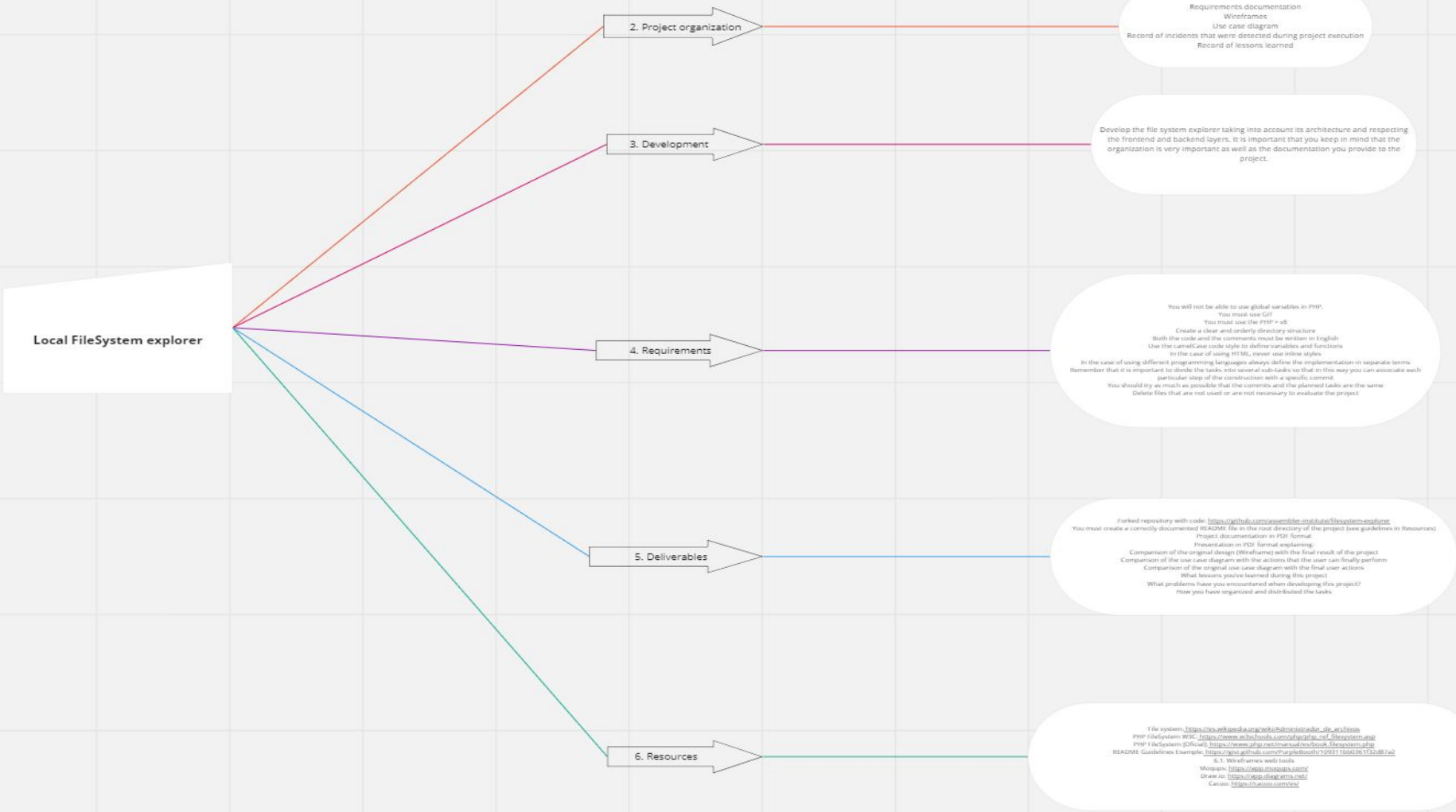
General analysis

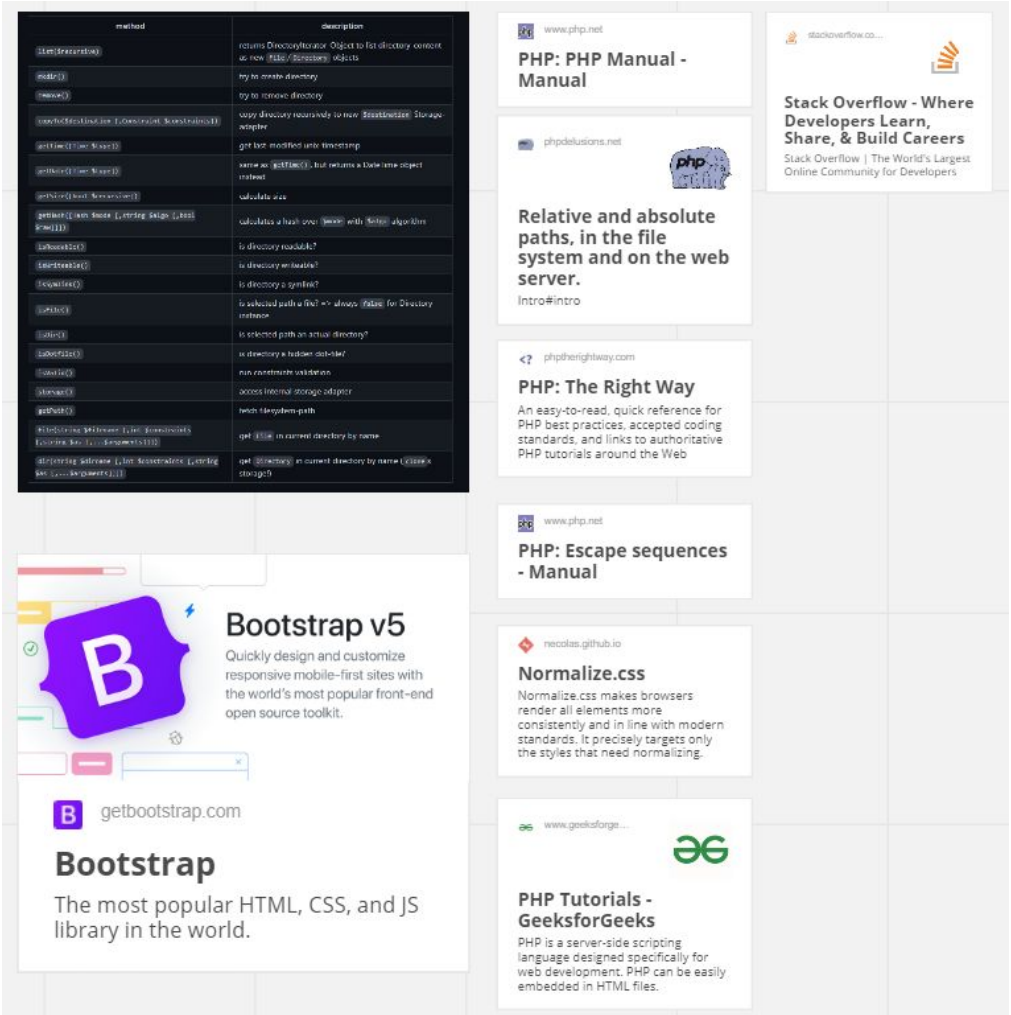
Step 1: Analyze the project requirements

Step 2: Design the project structure

Step 3: Start to develop the project

Step 4: Extra functionalities


Local FileSystem explorer
2. Project organization
Requirements documentation
Wireframes
Use case diagram
Record of incidents that were detected during project execution
Record of lessons learned
3. Development
Develop the file system explorer taking into account its architecture and respecting the frontend and backend layers. It is important that you keep in mind that the organization is very important as well as the documentation you provide to the project.
4. Requirements
You will not be able to use global variables in PHP.
You must use GIT
You must use the PHP > v8
Create a clear and orderly directory structure
Both the code and the comments must be written in English
Use the camelCase code style to define variables and functions
In the case of using HTML, never use inline styles
In the case of using different programming languages always define the implementation in separate terms
Remember that it is important to divide the tasks into several sub-tasks so that in this way you can associate each particular step of the construction with a specific commit
You should try as much as possible that the commits and the planned tasks are the same
Delete files that are not used or are not necessary to evaluate the project
5. Deliverables
Forked repository with code: https://github.com/aoverniet-institute/filesystem-explorer
You must create a correctly documented README file in the root directory of the project (see guidelines in Resources)
Project documentation in PDF format
Presentation in PDF format explaining:
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
Comparison of the original use case diagram with the final user actions
What lessons you've learned during this project
What problems have you encountered when developing this project?
How you have organized and distributed the tasks
6. Resources
File system: https://es.wikipedia.org/wiki/Administrador_de_archivos
PHP FileSystem W3C: https://www.w3schools.com/php/php_ref_filesystem.asp
PHP FileSystem (Official): https://www.php.net/manual/es/book.filesystem.php
README Guidelines Example: https://gist.github.com/PurpleBooth/109311bb0361f32d87a2
6.1. Wireframes web tools
Mockups: https://app.mockups.com/
Draw.io: https://app.diagrams.net/
Canva: https://www.canva.com/es/



Documentation

https://www.php.net/manual/en/

https://phpdelusions.net/articles/paths#commands

https://phptherightway.com/

https://www.php.net/manual/en/regexp.reference.escape.php

https://necolas.github.io/normalize.css/

https://www.geeksforgeeks.org/php-tutorials/?ref=lbp

https://getbootstrap.com/

https://stackoverflow.com/

https://github.com/assembler-institute/php-manage-files-workshop/tree/master

What lessons you've learned during this project

- *Improving your problem-solving skills*
- *Improving your teamwork and communication skills*
- *Increasing your knowledge of programming concepts and languages*
- *Creating awesome projects to showcase your work*
- *Focusing on writing clean efficient code*

What problems have you encountered when developing this project?

- ***Time =>****One of the main problems of any project is the distribution of work/time, in this case we have distributed it in an objective way when carrying out the approach in "Miro", to avoid surprises.*
- ***Project scope =>*** *The general approach of the project has been to divide it into 3 main phases:*
  - ***1)*** *Overview and organization.*
  - ***2)*** *Distribution, documentation, and content.*
  - ***3)*** *Execution, review, and cleaning of code.*
- ***Budget =>****Thanks to Assembler Institute, our budget has not been a problem, we have unlimited funds to carry out our project.*

How you have organized and distributed the tasks

1. Create, modify and delete folders.

2. Browse directories from initial path.

3. Navigate through the initial path to the folders and existing files.

4. Upload a file to a directory.

5. Search Directories and files by name.

6. See the creation date, last modified, extension and size.

7. Show the icon depending the extension file or folder.

8. View images, play videos and audios.

9. Move files to trash and delete from it.

10. Make a chart of sizes for each type of fyle.

11.Luckily for us, we have distributed the main functions in two phases: 1-A colleague created the code and the other looked for everything necessary to continue effectively without stopping until we achieved our goals.Efficiency, Speed, Peer-Coding and meeting objectives.