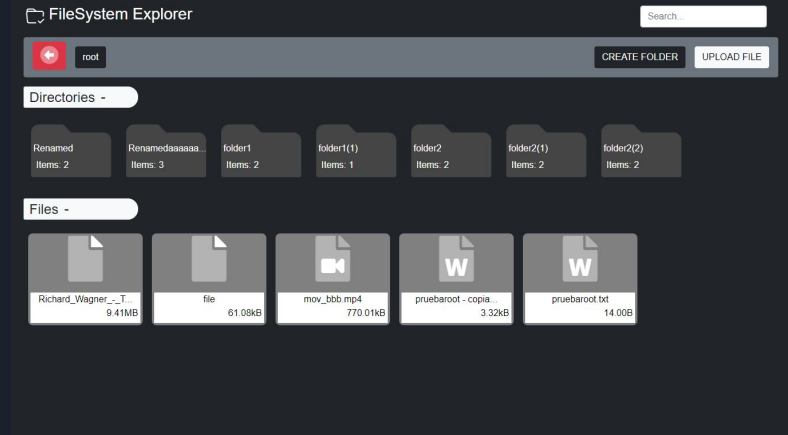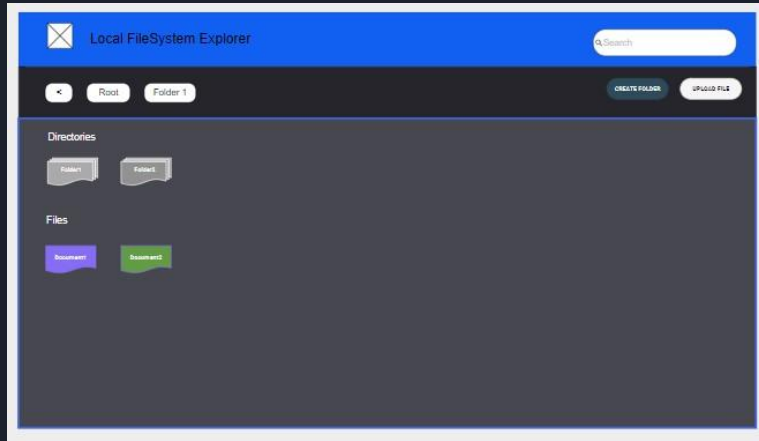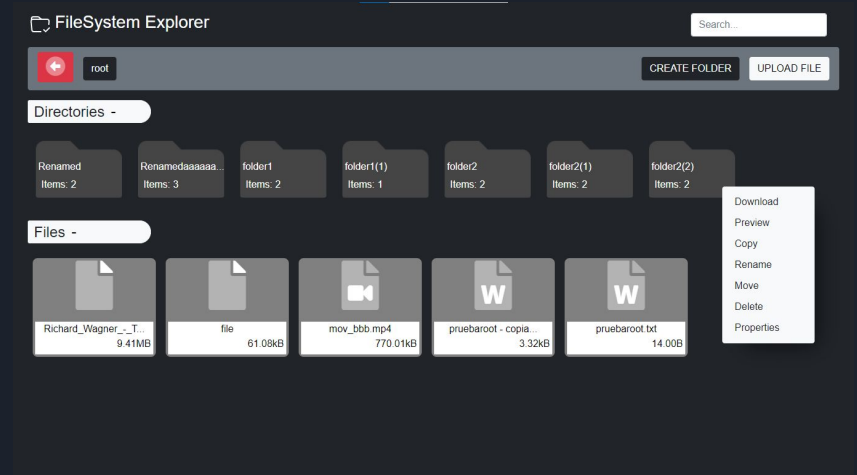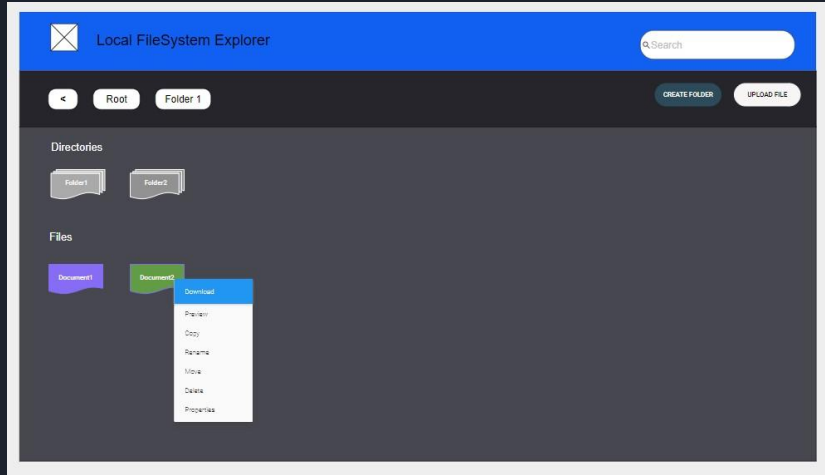# FileSystem Explorer

Alberto González Sánchez & Jordi Arnau Esteban
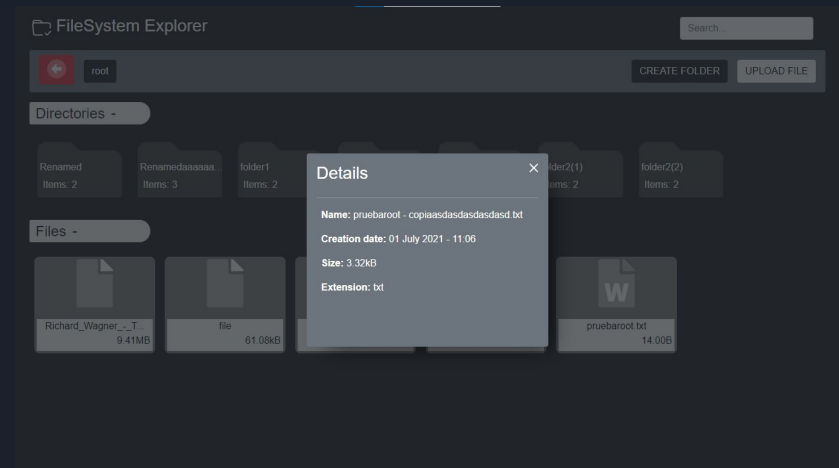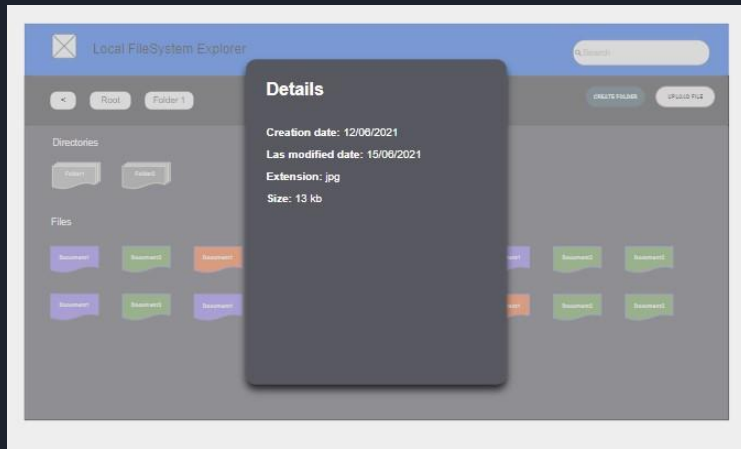
Original wireframe vs. result

Original wireframe vs. result
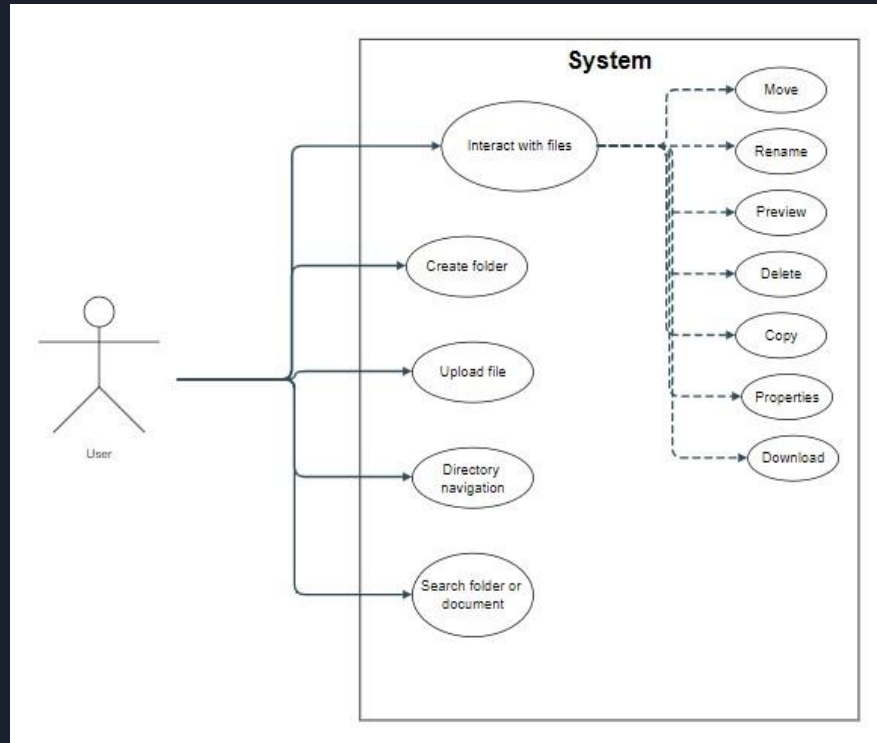
Original wireframe vs. result

Use case vs. Real features

- Directory navigation ✅
- Upload files ✅
- Create folders ✅
- Search folder or document ✅
- Interaction with files:
    - Rename ✅
    - Preview ✅
    - Delete ✅
    - Copy ✅
    - See details or properties ✅
    - Download files ✅
    - Move ❌

Use case diagram

Lessons learned

Server petitions and PHP interactions:

- POST
- GET
- AJAX & XMLHTTP

```javascript
function ajaxPetition(responseContainer, endpoint, e) {
  var xmlhttp = new XMLHttpRequest();
  xmlhttp.onreadystatechange = function () {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById(responseContainer).innerHTML = this.responseText;
    }
  };
  xmlhttp.open(
    "GET",
    "src/" + endpoint + "?n=" + e.target.getAttribute("data-title"),
    true
  );
  xmlhttp.send();
}
```

Lessons learned

Array walk

```php
$files = getFiles($_SESSION['currentPath']);
if ($files) {
    array_walk($files, function ($filePath) {
        $fileIcon = getFileIcon($filePath);
        $fileName = basename($filePath);
```

PHP callbacks

```php
array_walk($pathArr, function($folderName) use($currentPath) {
    $originalPath = substr($currentPath, 0, strpos($currentPath, $folderName));
    $folderPath = $originalPath . $folderName;
```

Problems we encountered

Windows modification date

```
echo "<p class='text-break'><strong>Name: </strong>";
echo basename($currentElement);
echo "</p>
     <p><strong>Creation date: </strong>";
echo date("d F Y - H:i", filemtime($currentElement));
echo "</p>
     <p><strong>Size: </strong>";
echo human_filesize(filesize($currentElement));
echo "</p>";
```

Relative paths

```
$currentPath = "../" . substr($completePath, strpos($completePath, "root"));

include_once 'fillContent.php';
```

Organization