

Task 1

File manager

Candidate should create an application with the following functionality:

Main task

- Create folders and subfolders
User can create, edit, and delete folders and any number of subfolders:
 - Folder 1
 - Folder 1.1
 - Folder 1.1.1
 - Folder 1.2
 - Folder 1.3
 - Folder 1.3.1
 - Folder 2
 - Folder 2.1
 - Folder 2.1.1
- File upload
User can upload PDF file in any folder.
- Reorder folders and files
User may reorder listing of folders and files with drag&drop.

Bonus 1

- User may grant permission for another user to any folder, created by himself:
 - If a user has permission to a subfolder, he will be able to see its parent folders.
 - If a user has permission to a folder, he will be able to see all its subfolders and files.

Bonus 2

- User may upload 5 Gb mp4 file.
 - There is a restriction to upload maximum 10 Mb in one request: file should be uploaded breaking into smaller pieces (chunked upload).

Additional requirements

- User-friendly design

Technology stack

- Backend – .NET Core (v. 6).
- Frontend – Angular (v. 12).
- Database management system – PostgreSQL.