

Test-File-browser-app-simplified

Design API and implement a server side application to browse and download files from a specified directory.

All directory and file names are numbers (i.e. "1", "331", "441" etc).

Max number of directories and files in a single directory is 100K.

Max file size is 10GB.

Operations to support:

1. Get files/directories from a specified directory on the server
 - Options
 - Sorting by name converted to a number
 - Example: {"123","13","00124"} → {"00124","123","13"}
 - Paging (in order to handle large directories)
2. Download specified raw file
 - Partial download should be supported (in order to handle big files)

Technical requirements:

- Server side API should be RESTful
- Programming language: GO is a preferable, C/C++ or python are acceptable
- Operating System: Windows or/and Linux or/and Mac

Submission Requirements:

- URL of repository containing the test application.
- Short written description of the structure of your application.
- Written description of what tests you would write for this application. You do not need to develop the tests.
- Written description of any requirements you feel are missing from this task.

Hint:

Consider performance, reliability and other important functionality when developing the application. The requirements are vague and do not mention everything needed to complete the application in a satisfactory manner.