Challenge Statement

This challenge is about creating a *simple file storage server* with a *command line interface* with the files on the server.

Details

You are tasked with simple file storage server with a command line interface, this server should support the following functions[1]:

1. Upload a file
    ex. POST /files/<name>, Content-Type: multipart/form-data
2. Delete a file
    ex. DELETE /files/<name>
3. List uploaded files (if a file is uploaded then deleted it should not be listed)
    ex. GET /files may return a list of files: [file1.txt, file2.txt, ..]

The server may be written in a language and framework of your choosing. If you wish to use a different interface (or different non HTTP/REST protocol), you may do so as long as it supports the three functions listed above (the endpoint names and types are just suggestions to get started).

After you have written the server, please implement a command line interface (CLI) to interact with the server. The CLI should support the same three functions as the server (ex. fs-store upload-file <file>, fs-store delete-file <file>, fs-store list-files). We suggest using existing CLI frameworks to handle the needed boilerplate.

When working on this challenge, be sure to implement your solution as if you were in a production setting (think about how real production code is set up managed). Specifically, some things to think about include:

-   Proving correctness of the code (and ensuring future code changes don't break CLI / Server interaction)
-   CLI design, and ease of use
-   Project tooling and reproducible builds (what tooling or checks would you need in place in an OSS project, for example)
-   Installation (how would you distribute the software to a user)

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[1] Notably, this server does not include the ability to download files or create directories, neither of which is required for this challenge.

What to return back to us

1. The project folder and all its contents
2. A README file containing build and instructions
3. Please zip or tar everything in a directory named **yourfirst.lastname/** and return via email
4. In your email response please let us know roughly how many hours you spent on this exercise (we will not grade you this on this answer -- it is helpful for us to normalize the difficulty of challenges)