

Time to Complete: 2-3 hours

For this take-home assignment, you will create a small clone of Pastebin (<https://pastebin.com>). If you aren't familiar with it, Pastebin is a web service that allows users to paste in text and publish it to an endpoint. A user with the URI to the text file is then able to access the text from their browser.

To keep this exercise simple, only a small subset of the service's functionality is required. In addition, there is a slight twist to it: You will be creating a small service that accepts any file and saves it, generating a URI for it, and permitting users to download the file by accessing its corresponding URI. A user should be able to set a title or name for the file. As well, the user should have the option to set an expiration on the file - but it is **\*\*not required\*\*** to actually delete the files. Finally, the app must have a Dockerfile and a script to build the Docker image. Everything should be submitted in a tarball.

You may use any language and any language libraries to complete the assignment. Any details not listed here (such as data persistence) are not defined and may be implemented in whatever fashion is convenient. Please be sure to leave notes in the README if the design choices require additional setup or if there are any additional features/decisions you would like to highlight.

Even if you aren't able to complete everything, please still submit what you have - we would like to see what you were able to do.

Requirements:

- API service that uploads a file, saves it, and generates a URI for it
- Must be able to set a name/title and expiration for the file
- Must have a README that specifies how to run/build the app
- Must have a Dockerfile and a script for building the app
- All code must be bundled in a .tar.gz file

Remember that this is a small project with a fixed timeframe and scope. We are more interested in how you problem solve than having a perfect solution.