

Full-Stack Engineer Home Assignment v2

EFS - Ephemeral File Sharing!

Background

You are tasked with creating a new **file sharing service**, that will allow us to **send links** of newfound Golang memes to all the new employees @ Cyolo, but we are very **conservative on disk space** so we have a couple of specific requirements for the service.

Requirements

- The service must allow the **upload of images**
- Each image should have an **expiration time** defined for it (at upload time)
- The service must **automatically remove** files that have **expired**
- The frontend must be written in **React**
- Make sure to test the file retention logic using **Jest**.
- Please make sure the code is written as if it was meant to be deployed to production.

API

PUT /v1/file

Description:

Allows the upload of a single file using a multipart request

Input:

Actual file data

Retention time (using request headers, defaults to 1 minute)

Output

The file's sharable URL

GET /v1/{file-url}

Description:

Returns the file that was uploaded

Output

The file's contents

Website

The website must contain the following elements & behaviors:

1. A central card that can handle file dropping or clicking to upload some file to the server
2. A field inside the card that allows setting the retention time of the file
3. A submit button to upload it
4. The user should be shown a modal after the image is submitted with the sharable URL & a button to copy it to the clipboard