Developer Exercise: File Transfer Tool

Summary

Create a basic version of a file transfer website such as WeTransfer or Firefox Send.

This task is designed to allow you to showcase both frontend and backend development skills.

Django should be used for the backend. You may use any frontend libraries/frameworks you choose.

The look-and-feel is not important, but you may wish to use something like Bootstrap to provide some basic styling.

Time limit: 4 hours

User stories

- As a sending user I want to be able to upload one or more files and obtain a URL link which I can share with other people so they can access those files.

- As a receiving user I want to be able to visit a link I have received from a sending user so I can download the files.

Recommended approach

We suggest that you initially focus on getting a basic version working end-to-end that allows the transfer of a single file.

It would be nice to see some of the following enhancements:

- The sending user can upload multiple files

- The sending user can drag-and-drop the files they wish to upload

- The sending user sees a progress bar is displayed during file upload

- The generated links make use of a pseudo-random token to prevent guessing

- The sending user can specify a password which the receiving user must enter before being able to download them

- The sending user can specify for how long the generated link should be considered valid

Deliverable

Please supply a zip/tarball of your work, plus any instructions to allow us to get it up and running locally.