# Node.js Utilities Exercises

## Rewrite the server from the last homework

Make it work with real image files. **Upload** them to the server using **streams** (you may use any form parser).

## Distribute the files through folders

Decide how to distribute the files so that they are not in the same folder. You may need to separate them into 1000 folders for example.

## Generate random unique URL for the file

If someone opens the URL, the file should be downloaded through the browser. You may add a **JSON** file used as a **database** to store the URLs.

## Let the user choose between public and private files

Public files should be shown in the listings and private should be accessible only by the unique URL

## Try to add GZIP on the response

Try to pipe it and provide correct browser headers.

## Deploy the app to the cloud

Keep in mind that **Heroku** file uploads required third party service. If you want, use some, otherwise the uploaded files may get deleted by their servers (which is fine for this exercise).