For this assignment, please note the following:

1. You are free to use any resources at your disposal except, of course, outsourcing the assignment. Look up stuff online, use open source tools, follow tutorials or videos, ask questions on SO.
2. You are free to use any programming language – Ruby, Python, NodeJS, Java, Elixir, etc – or framework – Rails, Django, Express, Spring, Phoenix, etc – to implement it.
3. This is an open-ended assignment. You can choose to do as much as you want to. Just honestly report the time that you spent on it.
4. Commit your code to a Github repo and commit frequently with nice commit messages. On completion of the assignment, share the github repo with me clear documentation on how to set it up and run it.
5. You'll be evaluated on the design and implementation choices that you make, quality of the code and your ability to incorporate review comments into the assignment after submission.

Assignment statement:

We need to design a system allowing verified users to upload sensitive data in the form of large files. To this end, we'd want to do the following:

1. As a user, I should be able to login on the platform using email address and password.
2. As a logged-in user, I should be able to see a list of all the files that I have uploaded. This list should be private and not visible to other users on the platform or to external parties.
3. As a logged-in user, I should be able to delete an already uploaded file.
4. As a logged-in user, I should be able to upload a new file while specifying some additional info such as a title, description, etc. Once uploaded, the platform should figure out the file type and optionally compress it for storage. The file size could be anything upto 1GB.
5. As a logged-in user, I should be able to share one of my files publicly using a tiny URL obtained from the system.