Dropbox Clone

Introduction

A file hosting service which would store all your files at a centralised server. It should have the ability to maintain a directory structure and every file has a access permission whether public or private. Based on the access permission, the visibility of your files to others would be decided.
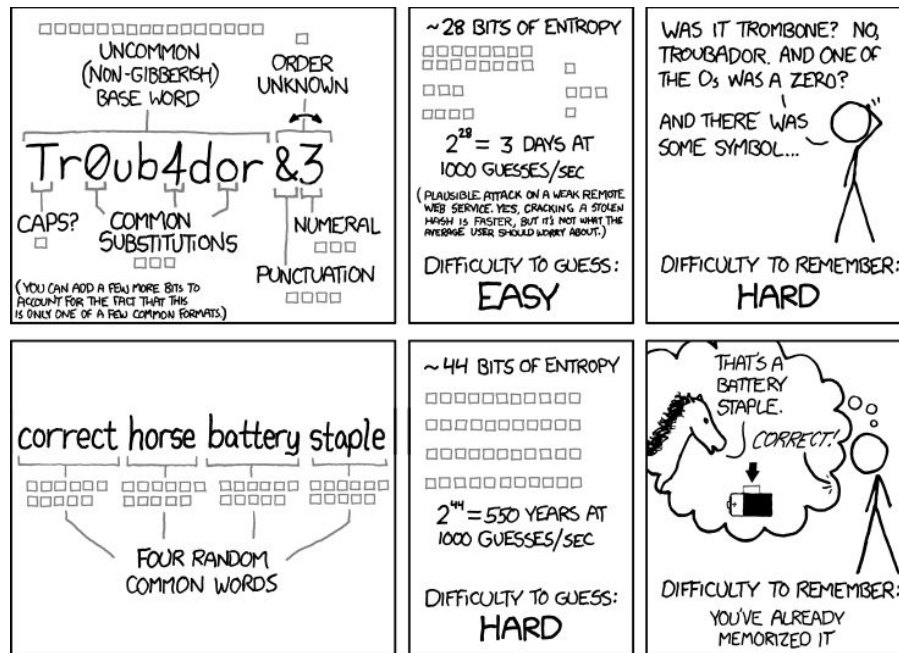
Specifications:

- User Registration and Login.
- Option to upload one or more files with a directory structure at the server.
- Every file would have an access permission depending on whether you want it to be visible to other users. It could either be Public or Private.
- Search functionality across your files and the files by others which are public.
- Maintain a directory structure similar to that of the Dropbox UI.
- Maintain the total size of files uploaded by a single user.
- Ability to open and download files.

Note:

- The problem statement is pretty open ended. Any system design choice which gets the job done is welcome and the end goal may pivot based on the progress of the Team.

Here's a Dropbox Easter Egg:

Well Played Dropbox!