

Django Media Management Application

Create a simple web application to upload, list, view and remove media files. The functional requirements for the system are as follows:

- Application should allow users to upload one or multiple files as one
- Users should be able to view a list of uploaded files (pagination is optional)
- Users should be able to view the media files (file should be embedded and displayed in the same page not opened in a new tab)
- Users should be able to remove uploaded files in which case the file should be deleted from the file system.
- Users should be able to download uploaded files.

The applications should apply the following constraints on user actions within the application:

- Only files with valid extensions can be uploaded. Valid extensions are mp3, mp4, jpeg, png, and gif.
- Files larger than 10MB and smaller than 100KB cannot be uploaded.
- Users cannot upload more than 10 files at a time.

For every file uploaded the following information needs to be persisted:

- File name
- Size
- Type
- Date Uploaded
- Category (Audio, Video, Image)

Note: There is no need to implement user accounts and authentication. A minimal UI is adequate for the application but it must implement a proper mechanism (e.g. banner, dialog, toast) to display validation errors, system errors, warnings or success messages.