

CStar Client Portal - File Manager Module

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Panel	CStar Client Portal
Module	Client File Manager
Development Rule	Important = API or AJAX pe hi

Required Work

1. CStar sidebar me **File Manager** option banana hai.
2. Client new folder bana sakega aur folder ke andar PDF, image, video aur allowed documents upload kar sakega.
3. Jo file jis folder me upload hui hai, wahi file usi folder ke andar show honi chahiye.
4. Har client ka total file-manager storage maximum **5GB** rahega.

Simple Flow

1	Client File Manager open	Logged-in client ki cid session se li jayegi.
2	Folder Create	Folder name AJAX/API se database me save hoga.
3	Folder Open	Selected folder ID se usi folder ki files show hongii.
4	File Upload	PDF, image, video ya allowed file selected folder me upload hogi.
5	Database Save	File path ke saath cid, folder_id, name, type, size, date aur time save honge.
6	5GB Check	Upload se pehle used storage + new file size check hoga.

Pages / Forms

Page	Work
File Manager	Folders and current folder ki files show hongii. Storage Used / 5GB bhi show hoga.
Add Folder Form	Folder Name; optional Parent Folder agar nested folder rakhna ho.
Upload File Form	Select Folder, Choose Files, Upload button. Multiple file upload support rakh sakte ho.
Folder View	Folder name, file icon/preview, original name, type, size, upload date/time, View/Download action.

Database Structure

folders Table

Column	Purpose
id	Folder unique ID
cid	Folder kis client ka hai
parent_id	Root folder ke liye 0/NULL; nested folder ke liye parent folder ID
folder_name	Folder ka name
status	Active / Inactive
date, time	Server-side creation date and time

files Table

Column	Purpose
id	File unique ID
cid	File kis client ki hai
folder_id	File kis folder ke andar save hui hai
original_name	Client ko dikhne wala original name
saved_name	Server par unique generated name
file_type / mime_type	PDF, image, video ya document type
file_size	Bytes me file size
file_path	Server storage path
status	Active / Inactive
date, time	Server-side upload date and time

API / AJAX Files

api/get-file-manager.php	Logged-in client ke folders, selected folder files aur storage usage fetch karega.
api/add-folder.php	New folder save karega. cid request se nahi, session se lega.
api/upload-files.php	File validation, 5GB check, physical upload aur database insert karega.
api/get-folder-files.php	Selected folder ID ke basis par sirf us folder ki files return karega.

5GB Storage Rule

- Maximum total storage per client: **5GB = 5,368,709,120 bytes**.
- Current usage: **SUM(file_size) WHERE cid = logged-in cid AND status = Active**.
- Agar current usage + selected files ka size 5GB se zyada ho, upload reject karna hai.
- Frontend progress/limit show karega, lekin final validation backend API par mandatory hogi.

Important Checks

- Har folder aur file query me logged-in **cid** compulsory lagani hai.
- URL me folder_id change karke doosre client ka data access nahi hona chahiye.
- Allowed file extensions aur MIME type dono validate karne hain.
- Upload file ka server name unique/random rakhna hai; original name database me alag save karna hai.
- Folder list aur file list AJAX se refresh honi chahiye; manual page reload required nahi hona chahiye.

Acceptance Checklist

- Client folder create kar sake.
- Selected folder me file upload ho.

- File sirf usi selected folder me show ho.
- PDF, image aur video files properly list/open/download ho.
- Total storage usage correctly calculate ho.
- 5GB cross hone par upload block ho.
- Doosre client ke folders/files access na hon.
- Complete module API/AJAX based ho.

Important: Ye task sirf client file manager ka hai. Extra modules ya unrelated design changes nahi karne.

Developer Remark (Only Editable Field)

Developer apna completion status, pending point ya remark neeche fill karke PDF wapas send karega.