

PLAN SYSTEM FLOW - FRONTEND & BACKEND

PLAN LIMITS:

Plan	Max Products	Max File Size	
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Free	10	300 MB	
Basic	20	1 GB	
Professional	40	2 GB	
Enterprise	100	5 GB	

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STEP 1: USER TRIES TO UPLOAD A PRODUCT

Frontend:

1. User selects file and fills out the upload form.
2. Frontend reads file size and includes it as 'fileSizeMB' in the request.
3. Optional: show warning about plan limits (e.g., 300MB max for Free users).

Backend (uploadProduct):

1. Look up user's plan.
2. Get plan limits from PLAN\_LIMITS.
3. Count how many products the user already has.
4. Check if 'fileSizeMB' exceeds allowed limit.
5. If limits exceeded return 403 Forbidden.
6. If within limits proceed to save the product.

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STEP 2: USER TRIES TO EDIT A PRODUCT

Frontend:

1. Loads product form.

2. User may optionally replace the file.
3. Sends new file + form fields via API.

Backend (editProduct):

1. If a new file is uploaded calculate file size in MB.
2. Look up users plan.
3. If file size > plan limit return 403 Forbidden.
4. Else proceed to update product.

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### STEP 3: FRONTEND CAN SHOW PLAN INFO

On /me API call, backend responds with:

```
{
  "planDetails": {
    "name": "Free",
    "maxProducts": 10,
    "maxFileSizeMB": 300,
    "currentProductCount": 4
  }
}
```

Frontend can show:

Plan: Free | Used: 4/10 products | Max File Size: 300MB

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SUMMARY:

CHECK	PLACE	LOGIC
Max Products	uploadProduct	Count documents <= maxProducts

| Max File Size (Upload) | uploadProduct | fileSizeMB <= maxFileSizeMB |

| Max File Size (Edit) | editProduct | file.size (in MB) <= maxFileSizeMB |

| Show Plan Info | getCurrentUser | Return planDetails in response |