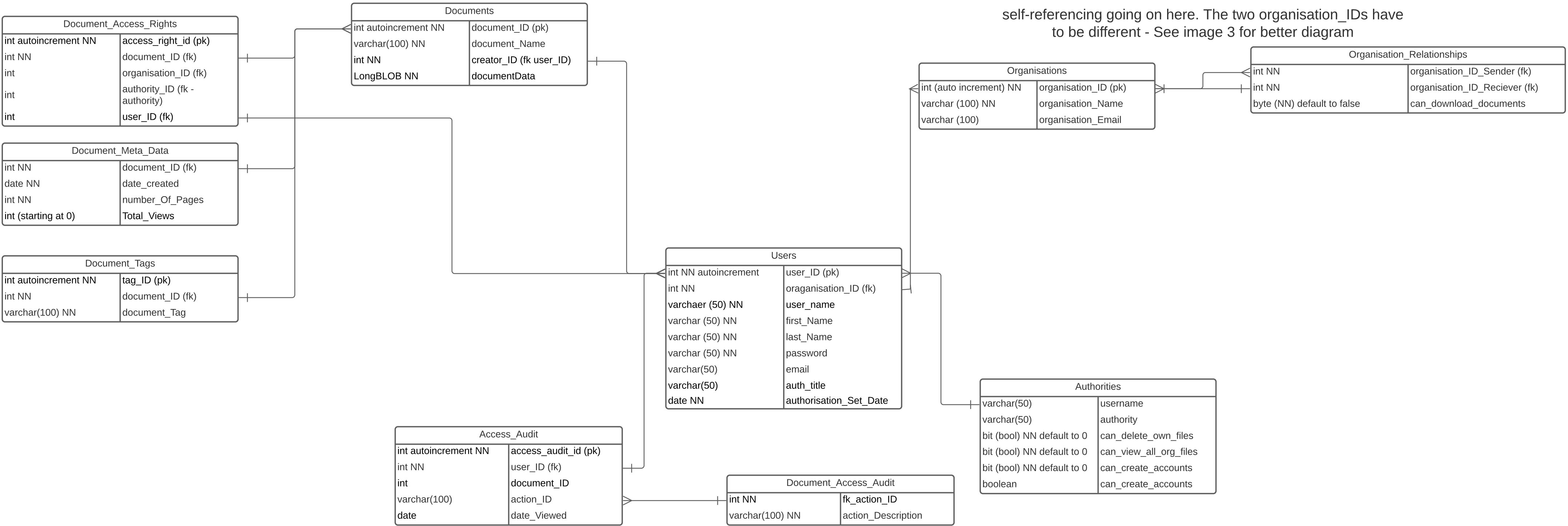# Things to consider

Can a user be with many orgs?
just 1 for now

Are super admins associated with no orgs?
Doesnt matter too much as long as they can access all files

self-referencing going on here. The two organisation_IDs have to be different - See image 3 for better diagram

Needs a constraint such that both org IDs can't be the same

Document_Access_Rights

int autoincrement NN	access_right_id (pk)
int NN	document_ID (fk)
int	organisation_ID (fk)
int	authority_ID (fk - authority)
int	user_ID (fk)

Documents

int autoincrement NN	document_ID (pk)
varchar(100) NN	document_Name
int NN	creator_ID (fk user_ID)
LongBLOB NN	documentData

Organisations

int (auto increment) NN	organisation_ID (pk)
varchar (100) NN	organisation_Name
varchar (100)	organisation_Email

Organisation_Relationships

int NN	organisation_ID_Sender (fk)
int NN	organisation_ID_Reciever (fk)
byte (NN) default to false	can_download_documents

Document_Meta_Data

int NN	document_ID (fk)
date NN	date_created
int NN	number_Of_Pages
int (starting at 0)	Total_Views

Users

int NN autoincrement	user_ID (pk)
int NN	oraganisation_ID (fk)
varchaer (50) NN	user_name
varchar (50) NN	first_Name
varchar (50) NN	last_Name
varchar (50) NN	password
varchar(50)	email
varchar(50)	auth_title
date NN	authorisation_Set_Date

Document_Tags

int autoincrement NN	tag_ID (pk)
int NN	document_ID (fk)
varchar(100) NN	document_Tag

Authorities

varchar(50)	username
varchar(50)	authority
bit (bool) NN default to 0	can_delete_own_files
bit (bool) NN default to 0	can_view_all_org_files
bit (bool) NN default to 0	can_create_accounts
boolean	can_create_accounts

Access_Audit

int autoincrement NN	access_audit_id (pk)
int NN	user_ID (fk)
int	document_ID
varchar(100)	action_ID
date	date_Viewed

Document_Access_Audit

int NN	fk_action_ID
varchar(100) NN	action_Description