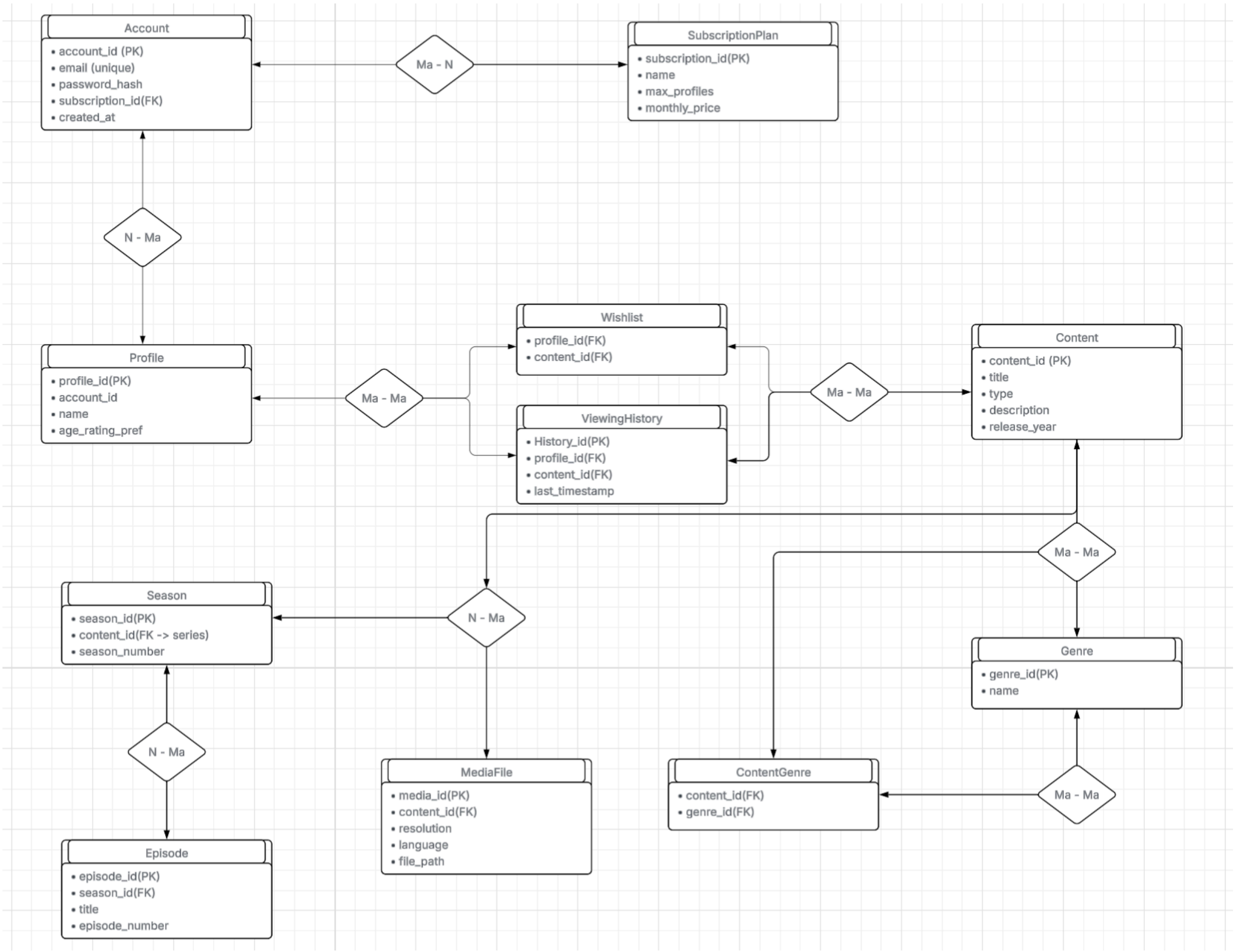
- Which DBMS to use?
  - PostgreSQL

ENTITY + ATTRIBUTE

Entity	Attributes	Description / Why
Account	account_id (PK), email (UNIQUE), password_hash, subscription_id (FK), created_at	Represents a customer’s main account. Linked to subscription and profiles.
SubscriptionPlan	subscription_id (PK), name, max_profiles, monthly_price	Defines pricing and limits (eg. Basic, Standard, Premium)
Profile	profile_id (PK), account_id (FK), name, age_rating_pref	Individual viewer within an account. Used for personalization
Genre	genre_id (PK), name	Categories for content (comedy, drama, rom-com)
Content	content_id (PK), title, type (“Movie” or “Show”), description, release_year	Base entity for movies and TV shows. Factory Pattern ?
Season	season_id (PK), content_id (FK → Series), season_number	Groups of episodes belonging to a series. Ex. Season 1 of AOT
Episode	episode_id (PK), season_id (FK), title, episode_number	Individual Episode of a show, within a season
MediaFile	media_id (PK), content_id (FK), resolution, language, file_path	Stores the paths to each video version (1080p Spanish, 144p french, 8k English)
ContentGenre	content_id (FK), genre_id (FK)	Bridge the table so each content item is able to have more than one genre
Wishlist	profile_id (FK), content_id (FK)	Save each profiles individual stuff they wanna watch later
ViewingHistory	History_id (PK), profile_id (FK), content_id (FK), last_timestamp	Tracks how how far each profile has watched a piece of content, so the continue watching feature can pick up where it was left off.

RELATIONSHIP(S)

Account – SubscriptionPlan: Many-to-One
Account – Profile: One-to-Many
Profile – Wishlist – Content: Many-to-Many
Profile – ViewingHistory – Content: Many-to-Many
Content – Genre: Many-to-Many (via ContentGenre)
Content – MediaFile: One-to-Many
Content(type='Series') – Season – Episode: One-to-Many (hierarchical?)


Account
• account_id (PK)
• email (unique)
• password_hash
• subscription_id(FK)
• created_at
Ma - N
SubscriptionPlan
• subscription_id(PK)
• name
• max_profiles
• monthly_price
N - Ma
Wishlist
• profile_id(FK)
• content_id(FK)
Content
• content_id (PK)
• title
• type
• description
• release_year
Profile
• profile_id(PK)
• account_id
• name
• age_rating_pref
Ma - Ma
Ma - Ma
ViewingHistory
• History_id(PK)
• profile_id(FK)
• content_id(FK)
• last_timestamp
Ma - Ma
Season
• season_id(PK)
• content_id(FK -> series)
• season_number
N - Ma
Genre
• genre_id(PK)
• name
N - Ma
MediaFile
• media_id(PK)
• content_id(FK)
• resolution
• language
• file_path
ContentGenre
• content_id(FK)
• genre_id(FK)
Ma - Ma
Episode
• episode_id(PK)
• season_id(FK)
• title
• episode_number