A movie-related idea like a \*\*Movie Rental System\*\* could be a great fit! Here's an expanded concept for a \*\*Movie Rental Application\*\* that works with at least 10 EF Core tables.

### \*\*Movie Rental Application Overview\*\*

This application allows users to browse, rent, and review movies online. Users can create accounts, search for movies, and rent them either for a specific period (e.g., 48 hours) or as part of a subscription plan. The app will also track rental history and provide recommendations based on user preferences.

### \*\*Key Features\*\*

1. \*\*User Registration and Profiles\*\*: Users can create accounts, update profiles, and view their rental history.

2. \*\*Movie Search and Filter\*\*: Users can search for movies by title, genre, release year, and rating.

3. \*\*Rental Process\*\*: Rent movies online, with options for one-time rental or subscription-based plans.

4. \*\*Recommendations\*\*: Provide movie recommendations based on user rental history and ratings.

5. \*\*Reviews and Ratings\*\*: Users can rate and review movies after watching.

6. \*\*Admin Section\*\*: Admins can manage movie inventory, users, and rental data.

### \*\*Entities (Tables)\*\*

1. \*\*Users\*\*

- `UserId` (PK)

- `Name`

- `Email`

- `PasswordHash`

- `SubscriptionPlan` (e.g., monthly, yearly, pay-per-rent)

- `JoinDate`

- `IsAdmin`

2. \*\*Movies\*\*

- `MovieId` (PK)

- `Title`

- `Description`

- `ReleaseYear`

- `GenreId` (FK)

- `DirectorId` (FK)

- `Cast`

- `Duration` (in minutes)

- `RentalPrice`

- `AvailableCopies`

3. \*\*Genres\*\*

- `GenreId` (PK)

- `GenreName`

4. \*\*Directors\*\*

- `DirectorId` (PK)

- `Name`

- `Bio`

5. \*\*Rentals\*\*

- `RentalId` (PK)

- `UserId` (FK)

- `MovieId` (FK)

- `RentalDate`

- `DueDate`

- `ReturnedDate`

- `PricePaid`

6. \*\*Reviews\*\*

- `ReviewId` (PK)

- `UserId` (FK)

- `MovieId` (FK)

- `Rating` (1-5)

- `ReviewText`

- `ReviewDate`

7. \*\*RentalHistory\*\*

- `HistoryId` (PK)

- `UserId` (FK)

- `MovieId` (FK)

- `RentalDate`

- `PricePaid`

8. \*\*PaymentMethods\*\*

- `PaymentMethodId` (PK)

- `UserId` (FK)

- `PaymentType` (e.g., Credit Card, PayPal)

- `PaymentDetails`

- `ExpirationDate`

9. \*\*Subscriptions\*\*

- `SubscriptionId` (PK)

- `UserId` (FK)

- `PlanType` (e.g., monthly, yearly)

- `StartDate`

- `EndDate`

- `IsActive`

10. \*\*Recommendations\*\*

- `RecommendationId` (PK)

- `UserId` (FK)

- `MovieId` (FK)

- `RecommendationReason`

### \*\*Additional Features (Optional)\*\*

- \*\*Late Fees\*\*: Charge late fees for overdue rentals.

- \*\*Movie Trailers\*\*: Embed movie trailers for users to preview.

- \*\*Wishlists\*\*: Allow users to add movies to a wishlist for future rental.

- \*\*Discounts\*\*: Offer promotional discounts or bundles.

### User Flow

- \*\*For Users\*\*: Users can browse available movies, rent them for a specific period, view their rental history, and receive personalized movie recommendations.

- \*\*For Admins\*\*: Admins manage movie inventory, user subscriptions, and rental history. They can also track late returns and charge fees.

Would you like to dive deeper into any of these features, or explore additional aspects of this idea?