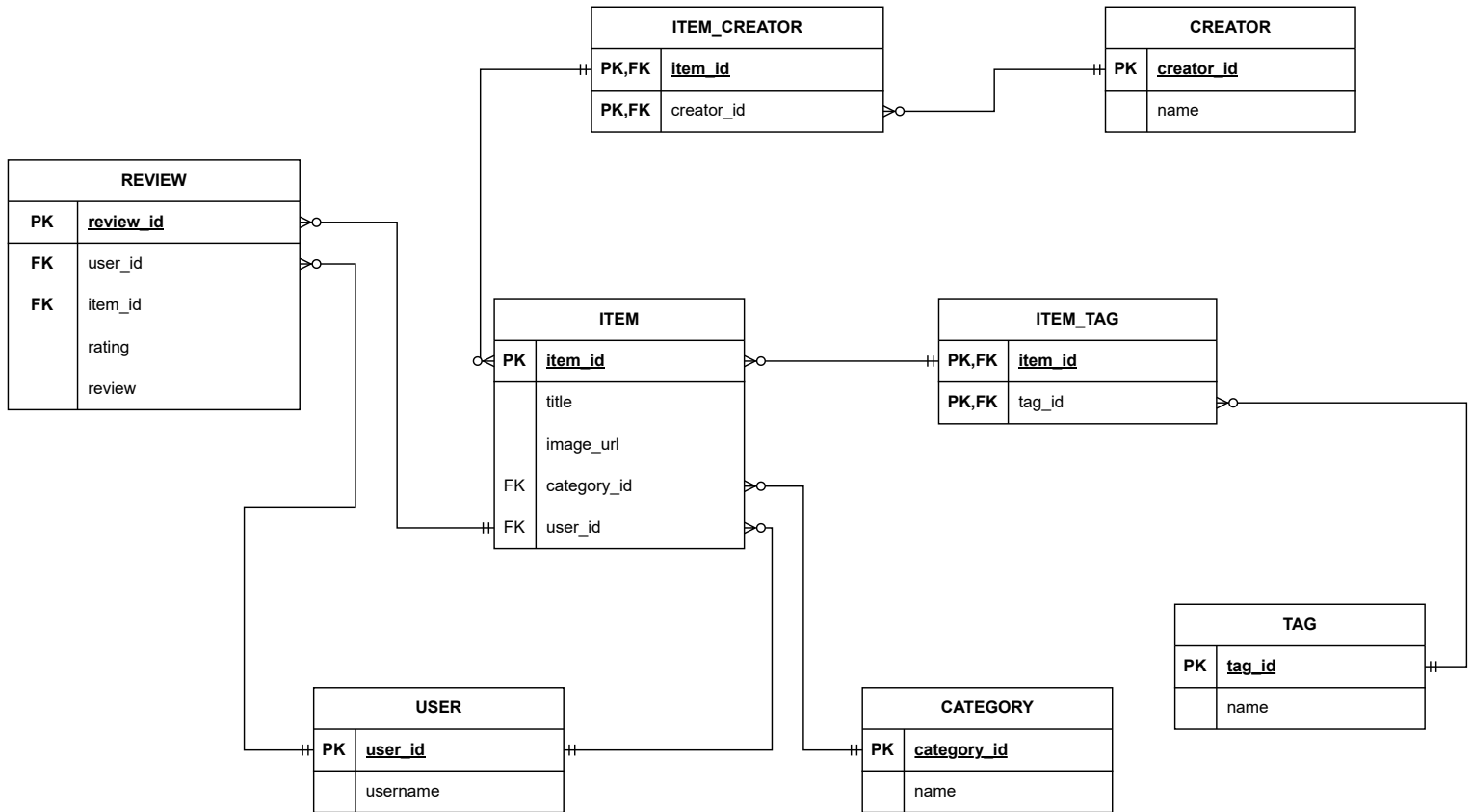


MediaLog_ERD

Problem Statement

Collectors and hobbyists often store information about their media items in spreadsheets, notes, or simple lists. These methods make it difficult to organise items, apply multiple tags, track creators, record reviews, or filter a growing collection. The MediaLog database is designed to provide a structured way to manage items, categories, creators, tags, and user-generated reviews. By modelling these relationships properly, the system supports flexible organisation and easier retrieval of information while ensuring data consistency as the collection grows.



MediaLog ERD — Relationship Summary Table			
Entities	Relationship Type	Cardinality	Description
User - Item	One-to-Many	1 User : Many Items	A user can create many items; each item belongs to one user.
Category - Item	One-to-Many	1 Category : Many Items	A category can contain many items; each item must have one category.
User - Review	One-to-Many	1 User : Many Reviews	A user can leave multiple reviews; each review belongs to one user.
Item - Review	One-to-Many	1 Item : Many Reviews	An item can receive many reviews; each review is tied to one item.
Item - Tag	Many-to-Many	Many Items - Many Tags	Items can have multiple tags, and each tag can be used by multiple items (via ITEM_TAG).
Item - Creator	Many-to-Many	Many Items - Many Creators	Items can have multiple creators, and creators can be associated with multiple items (via ITEM_CREATOR).