

## Database Description: Books and Categories

This database consists of two related tables: categories and books\_catalog. It is designed to manage and organize a collection of books along with their categories.

### 1. categories Table

This table stores the different book categories, such as "Travel", "Mystery", "Music", etc.

<i>Column Name</i>	<i>Data Type</i>	<i>Description</i>
<i>category_id</i>	INT (PK)	Primary Key , a unique ID for each category
<i>category_name</i>	VARCHAR	Name of the category (ex. 'Travel')

**Primary Key (PK):** category\_id ensures each category is unique.

### 2. books\_catalog Table

This table stores detailed information about each book.

<i>Column Name</i>	<i>Data Type</i>	<i>Description</i>
<i>book_id</i>	INT (PK)	Primary Key, a unique ID for each book
<i>title</i>	VARCHAR	Title of the book
<i>url</i>	TEXT	URL link to more info about the book
<i>price</i>	DECIMAL	Price of the book
<i>availability</i>	VARCHAR	Availability status (e.g., "In stock")
<i>rating</i>	INT	Rating of the book (1 to 5 scale)
<i>category_id</i>	INT (FK)	Foreign Key, refers to the category it belongs to

**Foreign Key (FK):** category\_id in books\_catalog references category\_id in categories. This means each book belongs to one category.

### Relationship

- This is a one-to-many relationship:
  1. One category can have many books.
  2. Each book belongs to only one category.