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E-Library

TEAM MEMBERS:

YOUSSEF IBRAHIM

AHMED SAMIR

E-Library

The system is designed for book enthusiasts and librarians as it's much easier to interact with readers and know their taste of reading which allow the librarians to deliver the best reading experience for the readers and the employees working in the library.

The system's database consists of ten tables:

- Books
- Books/Cat
- Edition
- Profits
- Author/Cat
- Downloaded_book
- Client
- Categories
- Author
- Book/Author

The Books table have "Book_id" as a primary key and [ISBN - Book_name - publisher_name - publish_date – edition_id - price]

The Books/Cat table have "Book_id" as a primary key and [Cat_id]

The Edition table have "Edition_id" as a primary key and [Edition_number]

The profits table have "profits_id" as a primary key and [date – total_profits]

The Author/Cat table have "Author/Cat_id" as a primary key and [Cat_id – Author_id]

The Downloaded_book table have "Downloaded_book_id" as a primary key and [Book_id – Client_id]

The client table have "Client_id" as a primary key and [first_name - last_name – email - password]

The Categories table have "Cat_id" as a primary key and [Cat_name]

The Author table have "Author_id" as a primary key and [Author_name – Data_of_birth]

The Book/Author table have "Book/Author_id" as a primary key and [Author_id – Book_id]

Foreign Key:

- "Aurhor_id" from `Book/Author_Author table`
- "Cat_id" from `Books_Edition` table
- "Book_id" from `Book/Author_Books` table
- "Client_id" from `Books/Cat_Categories` table
- "Edition_id" from `Books_Edition` table

Relationships:

The Books table [one to many] [Books/Cat – Edition – Book/Author – Downloaded _book – Book/Author] tables

The client table [one to many] [Downloaded_book] tables

The Categories table [one to many] [Author/Cat – Books/Cat]

The Author table [one to many] [Author/Cat – Books/Author] tables