ISE 305 Project

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Topic: Comic Book Database

Project Statement

The topic of our database application semester project is a Comic Book Database. Our goal is to create a well-structured platform for comic book enthusiasts to manage their collections and access information about titles, authors, characters, and publishers. We will allow users to input and manage details about comic book issues including title, issue number, publication date, authors, artists, and synopsis. Users will hopefully be able to input and manage details about comic book issues, including title, and issue number, and categorize their interests by genre such as superheroes, fantasy, or horror. We understand that for example in superhero-related- titles, Marvel and DC are managed as separate entities, each with its distinct characters and storylines. To accommodate this, our database will be designed to reflect these divisions, allowing users to categorize their collections accordingly regardless of the company/IP. We will source our dataset from Kaggle and specifically look for datasets that provide valuable information about comic book titles, publication histories, character appearances, and creative teams. To implement our project, we will use MySQL Workbench to design and manage the database schema. We will modify attributes, establish foreign key constraints, and represent entity connections. Our relational data model will include entities such as Titles, Issues, Authors, Characters, and Publishers. Relationships between entities will capture complex aspects of the comic book domain, such as one-to-many connections between Publishers and Titles, and many-to-many relationships between Characters and Issues. This structure will ensure the database remains scalable and capable of supporting the nuanced categorization required by diverse genres, publishers, and character storylines.