Database Management Project Report

By

Cameron Windsor Fox

For completing my project for Database Management, I have chosen to build a small database design and SQL programming project. I have completed this project using XAMPP and SQL for building the ER diagram and then turn it into a schema diagram. The main idea of the ER diagram and the schema is based around a Video Game delivery service. This system used up to four different tables for data and below will show the data gathered and test results of this project.

**Entity Relationship Diagram**:

Image: A picture containing text, map

Description automatically generated

My Scenario for the Entity Relationship Diagram and then the Schema and Query examples deals with a Video Game Buy & Rental Store.

Where consumers that use the service can rent out one game at a time, then keep and play it for as long as they want before returning the game. A new game can only be rented if you have returned all previously rented games first.

Or the consumer can purchase the game if they like playing it. But for purchasing the game depending on if the consumer is a subscriber to the service they will get a discount when they buy the game. Consumers that are not subscribed will have to pay the full price.

All games are stored away so the Game Store can know how many copies of a game are left of a consumer wants to rent out a specific game.

In the Image above here is an explanation of the symbols:

* Rectangles are the different entities for the diagram,
* Diamonds are the relationships connecting the entities together,
* Ovals are the attributes for each entity or relationship it is connected to.