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Database Management
Lab 1

Short essay 1-

The PC gaming library service Steam, uses a database to store all its games and make them searchable by their users. The data would be the names of games they have for sale and are given context to information by game genre plot summary and other such details of information. Games such as Rust and Bioshock would be confusing names if not given context in the database. Once they tell you that Rust is an MMO and Bioshock is a first person shooter, it begins to help identify the games as something a buyer might be more interested in. Without the context buying games would be blind and Steam wouldn't be a truly functional platform to buy games from.

Short Essay 2-

Hierarchical Data Model- Arranged in a tree shape. In this model, a child can only have one parent. This presents an issue because it can cause redundancies. If an item can be identified under two different parents then it must appear twice in this data model.

Network pre relational data model- This model is similar to the Hierarchical data model but allows for data children to have multiple parents. This allows the model to remove redundancies. However, in the tree shape of this model is, too many relations could make the table look messy. The relational model