

Virtual Vault

Group 12

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Welcome to Virtual Vault, your ultimate destination for all things gaming! We are dedicated to providing a comprehensive selection of video games tailored to every gamer's taste and preference. Whether you're a fan of action-packed adventures, thrilling sports simulations, immersive role-playing games, or mind-bending puzzles, Virtual Vault has something for everyone.

Our Collection

At Virtual Vault, we pride ourselves on offering an extensive collection of video games carefully curated to ensure that our customers have access to the latest releases as well as timeless classics. From blockbuster titles developed by renowned studios to indie gems created by up-and-coming developers, we strive to offer a diverse range of gaming experiences to suit every budget and platform.

Tables Overview

1. **TransactionDetails:** Records the details of each transaction, including the transaction ID, inventory ID (referencing the Inventory table), quantity of items purchased, subtotal amount, and GST (Goods and Services Tax) applied.
2. **Transactions:** Stores information about each transaction, such as the transaction ID, customer ID (referencing the Customers table), transaction date, total amount, and payment amount.
3. **Customers:** Holds details about each customer, including their first name, last name, email address, phone number, and address ID (referencing the Address table).
4. **Inventory:** Manages the inventory of video games in the store, tracking details such as inventory ID, game ID (referencing the Games table), console ID (referencing the Consoles table), quantity available, purchase price, sale price, date added, and store ID (referencing the Stores table).
5. **Employees:** Stores information about store employees, including their first name, last name, position, email address, phone number, and SIN (Social Insurance Number). The address ID field references the Address table.
6. **Address:** Stores addresses, including street, city, province, and postal code. It's referenced by the Customers and Employees tables.
7. **Genres:** Contains various video game genres, identified by a unique genre ID and name.
8. **GamesGenres:** Represents a many-to-many relationship between games and genres.
9. **GamesConsoles:** Represents a many-to-many relationship between games and consoles.
10. **Defaults:** Stores default settings such as the GST percentage.
11. **Stores:** Stores information about the physical stores, including name, address, phone, and email.
12. **Positions:** Records different positions within the organization.
13. **Difficulty:** Stores difficulty levels for games.
14. **Consoles:** Contains information about gaming consoles.
15. **Games:** Stores details about video games, including title, description, release date, price, and difficulty.
16. **GamesGenres:** Maintains a many-to-many relationship between games and genres.
17. **Employees:** Manages employee information and positions within the organization.
18. **GamesGenre** table represents the many-to-many relationship between games and genres. It maps genre IDs to game IDs, indicating which genres each game belongs to.

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