CS3600.01 Database Management Systems

Group Project

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Integrity Constraints for a Music Store Database

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1. Every return transaction must contain an existing sales record Id, an existing customer Id, and the Id of the inventory item.
2. An inventory item must have a stock number greater than or equal to zero.
3. The price of an inventory item must be greater than or equal to zero and stored as a decimal with two digits after the decimal points (ex. 0.00).
4. Sales records cannot have discounts greater than 50% of the total value of the purchase (this can apply to customers with rewards points and employees). Discounts any larger than that could affect the company’s profit.
5. No transaction can contain a product which has a release date in the future. (many stores get products early so they can sell them on the release date)