IT 2351 Spring 2021 Matt Mahoney Assignment 5 No 1

Mahoney_guitar_shop database design

Tables:
- administrators
  - Primary key - admin_id
  - Relationships: none
- order_items
  - Primary key - item_id
  - Foreign key - order_id (orders table)
  - Foreign key - product_id (products table)
  - Relationships
    - One to Many - orders to order_items
    - One to Many - products to order_items
- products
  - Primary key - product_id
  - Foreign key - category_id (categories table)
  - Relationships
    - One to Many - categories to products
    - One to Many - products to order_items
- categories
  - Primary key - category_id
  - Relationships
    - One to Many - categories to products
- orders
  - Primary key - order_id
  - Foreign key - customer_id (customers table)
  - Relationships
    - One to Many - customers to orders
    - One to Many - orders to order_items
- customers
  - Primary key - customer_id
  - Relationships
    - One to Many - customers to orders
    - One to Many - customers to addresses
- addresses
  - Primary key - address_id
  - Foreign key - customer_id (customers table)
  - Relationships
    - One to Many - customers to addresses

Cardinality - categories and products
categories: The Left Table Cardinality is Min 1 and Max 1
products: The Right Table Cardinality is Min 1 and Max n (or *)
This describes a one to many relationship between categories and products