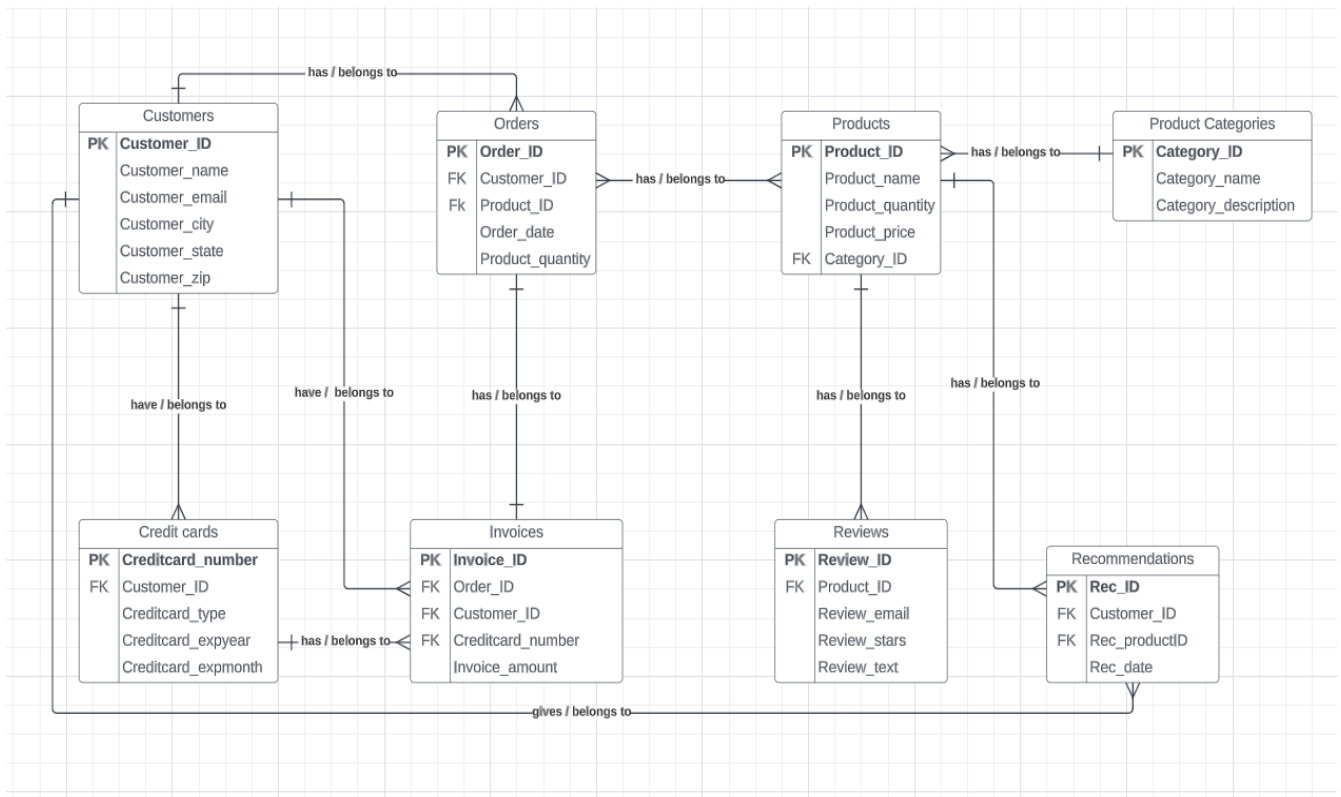


IS 620 Final Project

Team: Eagle



Explanation:

The above ERD diagram shows the relationship between different entities:

Between Customers and Orders: One to Many

A customer can place many orders, but each order can only be placed by one customer.

Between Customers and Credit_cards: One to Many

Each customer can have many credit cards, but each credit card can only be associated with one customer.

Between Customers and Invoices: One to Many

A customer can have many invoices, but each invoice belongs to only one customer.

Between Customers and Recommendations: One to Many

Each customer can have many recommendations, but a recommendation belongs to only one customer.

Between Products and Orders: Many to Many

A product may be ordered multiple times, and an order may contain multiple products.

Between Products and Reviews: One to Many

A product may have multiple reviews, but a particular review belongs to only one product.

Between Products and Recommendations: One to Many

A product may be recommended multiple times to different customers, but a recommendation shows only one product.

Between Credit_cards and Invoices: One to Many

A credit card may belong to many invoices, but an invoice can only be associated with one credit card and a credit card may be used to place many orders which generates an invoice, but each order can only be paid by only one card.

Between Product_categories and products: One to many

A category may have many products under it, but each product belongs to only one category.

Between Invoices and Orders: One to One

Each order generates only one invoice, and each invoice belongs to only one particular order.