Illinois Institute of Technology

CS 425

Database Organization

CS425 Project: Online Distribution Center

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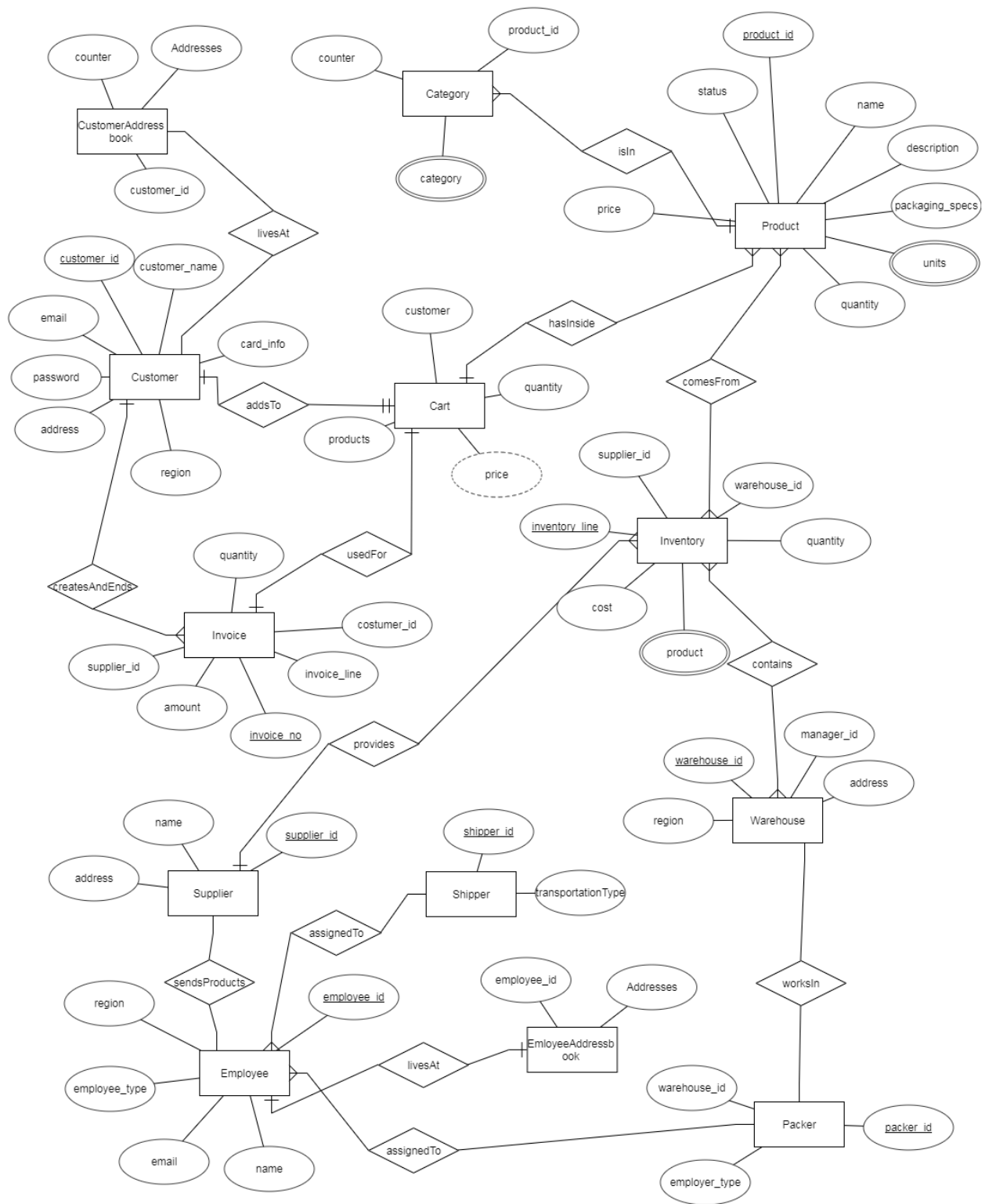
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Introduction

This project consist of a web solution for an e-commerce application. The project itself will be conducted using a waterfall model [1] for development. The web application will be developed using JDBC as a back-end and Node.js, HTML, CSS, and PHP as a front-end.

Requirements

#	Requirement Description	Testing Criteria
R1	The application shall allow customers to register with the application. The application shall present the user with a registration form with the following fields: Customer Name, Contact Name, Email, phone, region, address, major product line category (research a list that fits most customers).	User enters registration information and the data is stored in the Customer database.
R2	Once a customer registers with the application, the application shall generate a unique customer id.	A unique customer is stored in the database.
R3	The system shall allow the customer to enter a password for her account. The password shall be 8 characters long and shall have at least one distinctive character and one uppercase character and a mixed alphanumeric value.	Customers password shal be encrypted and stored in the database.
R4	The system shall allow the customer to enter a password for her account. The password shall be 8 characters long and shall have at least one distinctive character and one uppercase character and a mixed alphanumeric value.	Customers password shal be encrypted and stored in the database.

Design

Entity Relationship Diagram

Implementation

Verification

Maintenance

Conclusions

References

[1] *Waterfall Model and Testing Methodology*

   https://www.guru99.com/testing-methodology.html#2