

ILLINOIS INSTITUTE OF TECHNOLOGY

CS 425

DATABASE ORGANIZATION

CS425 Project: Online Distribution Center

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Introduction

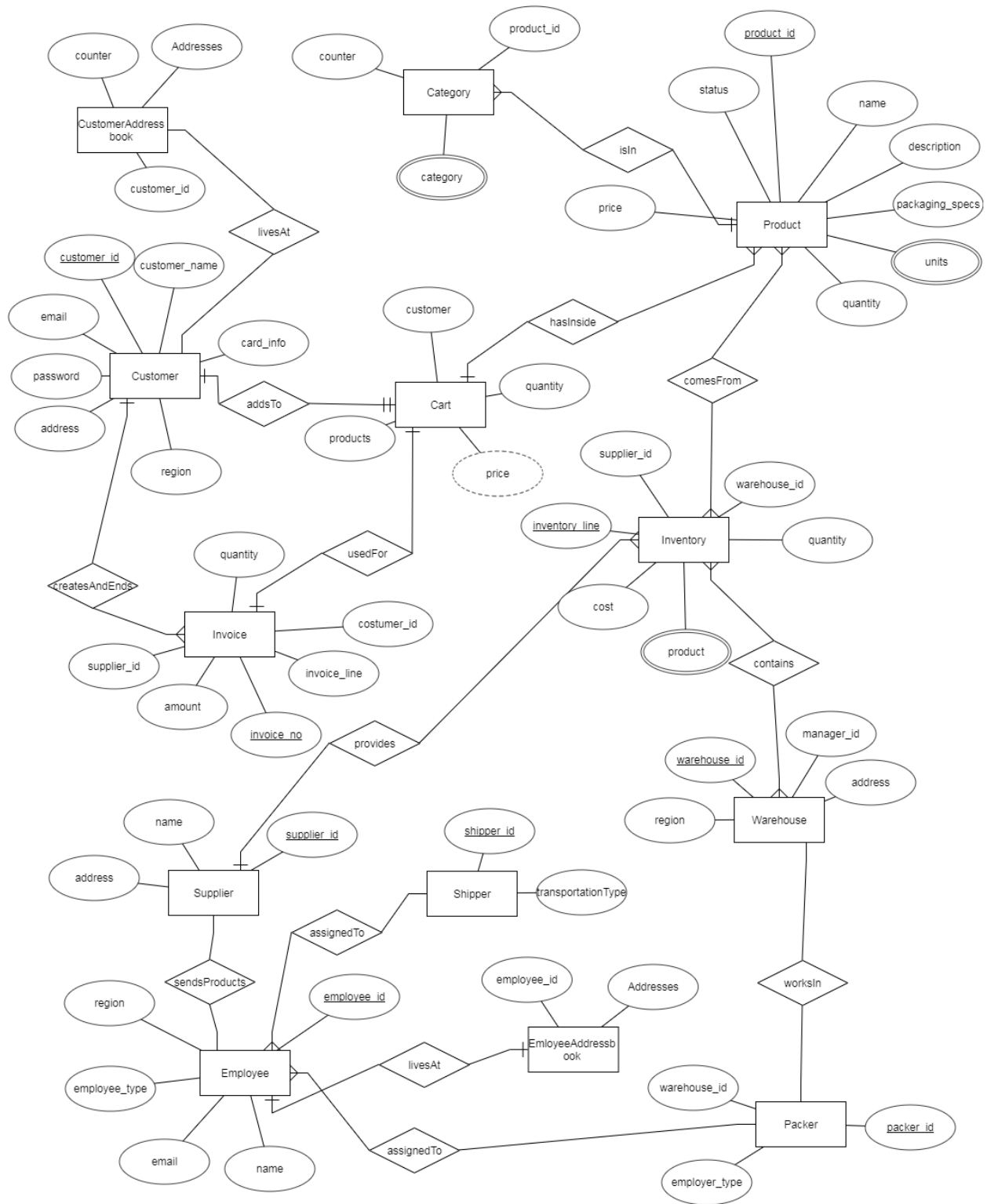
This project consist of a web solution for an e-commerce application. The project itself will be conducted using a waterfall model [1] for development. The web application will be developed using JDBC as a back-end and Node.js, html, CSS as a front-end

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. | User enters registration information and the data is stored in the 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 shall 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 shall 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>