ValleyStealz

Ecommerce Website

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System Description

Create an interactive and responsive sports clothing website

- Main function would be for the Admin to upload, edit, and post

  - Products, Events, and Vendors

- The user would be able to add products to cart and interact with many categories

  - Create and account

  - View all the products in different categories

Implementation Details

Integrated Development Environment (IDE) || Framework

- SpringToolSuite4
- SpringBoot

Database

- MySql

Language

- Front-end: HTML , JPA , JavaScript
- Back-end: JAVA

UML

Most Important Use-Cases

- **User Use cases**
  - Create account
  - Update Account
  - View product/category
  - Add product to cart
  - Add shipping info
  - Place order

- **User Special cases**
  - If order Placed
    - Make Payment
  - If login fails
    - Display error

- **Admin Use cases**
  - Restrict Account
  - add/edit category
  - add/edit product
  - Manage Orders
  - Update Order info & status

- **Shared Use Cases**
  - Login
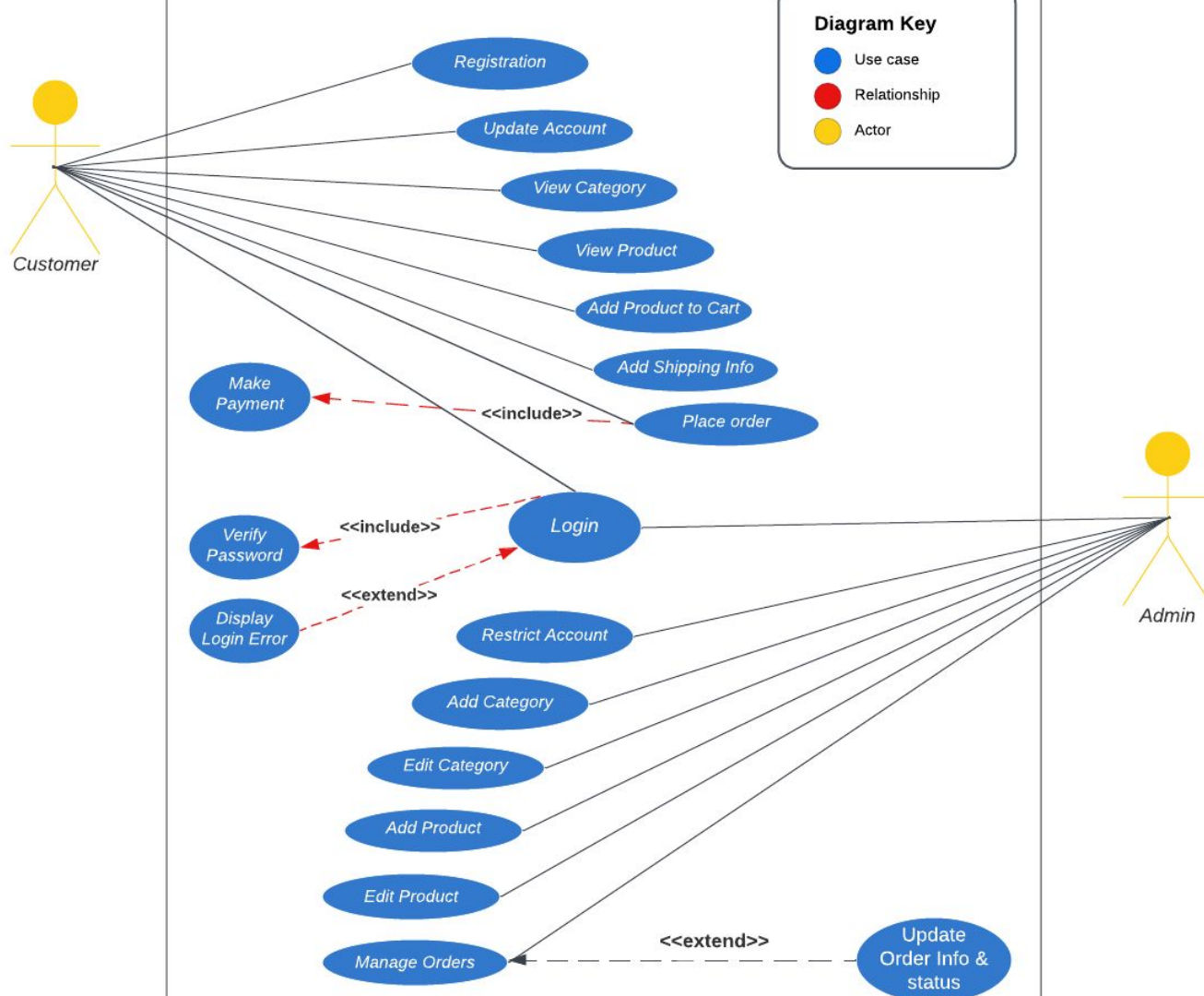
E/R Diagram
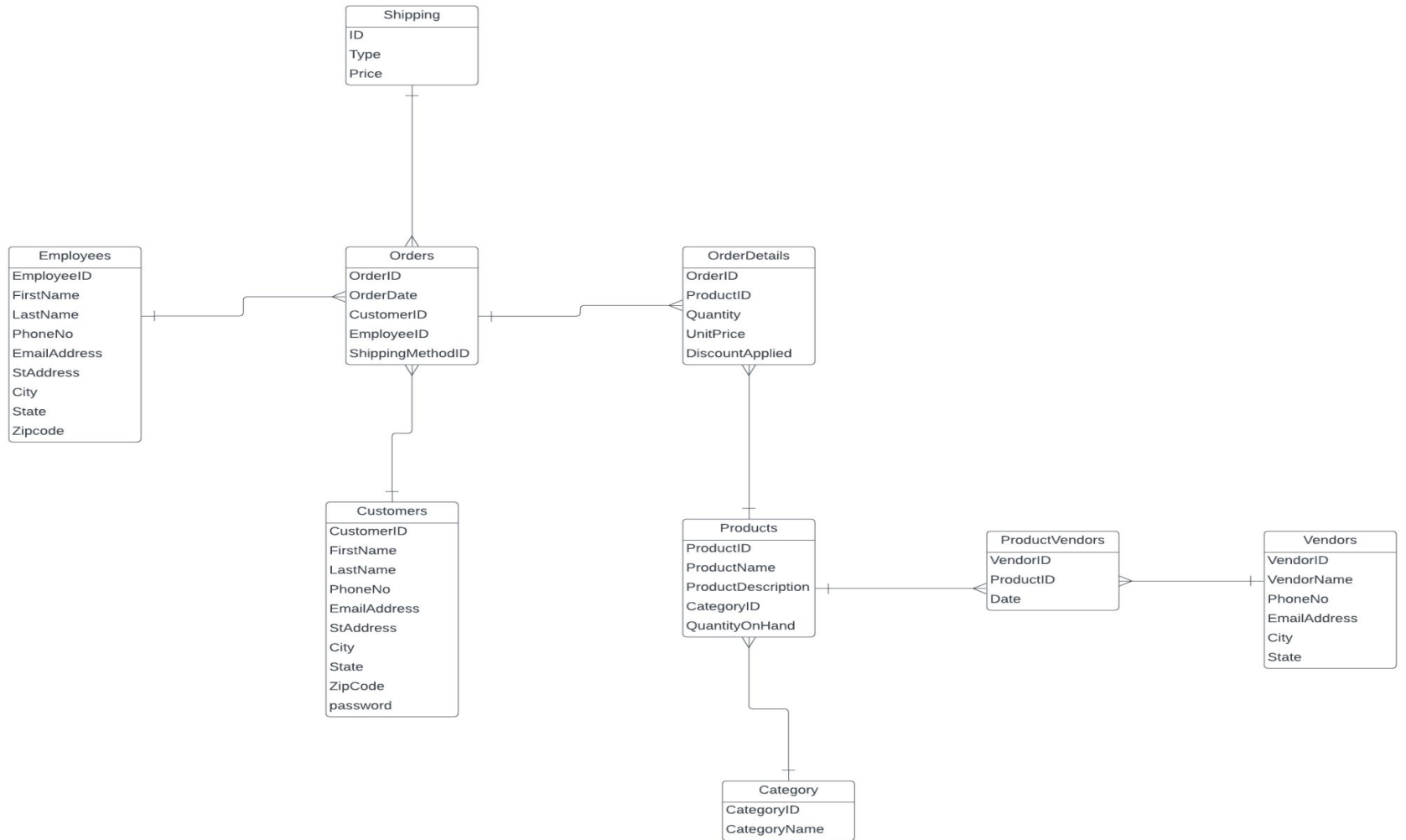
Relational Schema

-**Employees (One to many w/ orders)**

`Empid, Empname, phoneno, address`

-**Customers (One to many w/ products)**

`Custid, custname, phoneno, address, emailaddress, password`

-**productCatagory (One to many w/ products)**

`categoryID, categoryname`

-**products (One to many w/ products)**

`Productid, productname, productcategoryID`

-**Orders(One to many w/ products)**
orderID, orderdate, customerID, Shippingmethod, empid

-**OrderDetails (many to many w/ orders and products)**

`orderID, productID, quantity, unitprice, discountapplied`

-**productVendors (many to many w/ vendors and products)**

`VendorID, productID, date, quantity, price`

-**Vendors (many to many w/ vendors and products)**

`vendorID, vendorname, emailaddress)`

-**Shipping (many to many)**

`ID, type, price`

Wire Frame

A Web Page

Valley Stealz. Instagram

Home | Products ▼ | Sale | Login

Shop All
Jerseys
Shoes
Hoodies
Shorts
Shirts

Landing Page No Need For Login

Link to Social

Shop is Live!
Check out the latest arrivals this season

Promo Video

A Web Page
https://valleystealz/shopAll

Home | Products ▼ | Sale | Login

Display All Products(clicking on product will take to individual page)

Shop All

Product Name Price
Product Name Price
Product Name Price
Product Name Price
Product Name Price
Product Name Price
Product Name Price
Product Name Price
Product Name Price

Add New Item

Need to Sign/Login in order to add to cart

Need to Sign/Login in order to add new item

Shop All Page

Individual Product Page(5)

A Web Page
https://valleystealz/{id}

Home | Products ▼ | Sale | Login

Product TeamName
Product Type
Product Description

Size 8 Quantity 2

Add to Cart

Need to Sign/Login in order to add new item

Show Clicked Product Page

Show Cart Page

A Web Page
https://cleanbottoms

Home | Products ▼ | Sale | Login

Product TeamName
Product Type
Product Description
Size 8 Quantity 2
Remove From Cart

Product TeamName
Product Type
Product Description
Size 4 Quantity 2
Remove From Cart

Checkout

A Web Page
https://valleystealz/shopByItem

Home | Products ▼ | Sale | Login

Display By Individual Item

Shop By Item

Product Name Price
Size 8
Quantity 2
Add to Cart

Product Name Price
Size 8
Quantity 2
Add to Cart

Product Name Price
Size 8
Quantity 2
Add to Cart

Need to Sign/Login in order to add to cart

Add New Item

Need to Sign/Login in order to add new item

Add New Item Page

A Web Page
https://cleanbottoms

CleanBottoms

Sign Up
First Name
Last Name
Email
Password
Confirm Password
Sign Up

Login
Email
Password

Bycrypt Security

A Web Page
https://valleystealz/new

Home | Products | Sale | Login

Upload Picture

TeamName
ProductType
Price
Quantity

Picture is Mandatory and at least 2 Char for all fields but comment and default condition will be new

Add | Home

THANK YOU !