TN: Team Name

Online Marketplace Storefront

Analysis Class Report

Revision History

Authors	Description of Change	Sections	Rev	Date
Brian, Cameron, Jorge, Dominick	Adding initial analysis diagram	1,2	0	2/27/18
Brian, Cameron, Jorge, Dominick	Added Orders class and updated accordingly	1,2	1	3/6/18

Table of Contents

1 Team Description

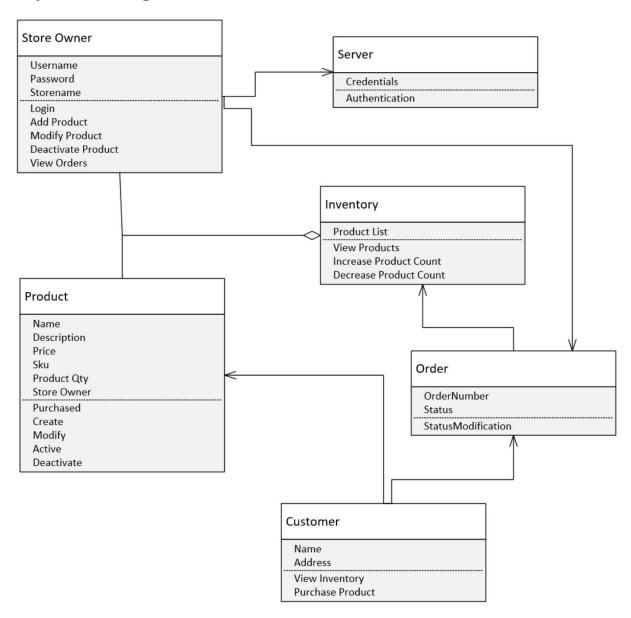| Team Member Name	Email Address
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2 Project Description

Statement of Purpose: Web page/storefront that allows store owners to post products for sale and customers to purchase from.

Detailed Description:

2.1   Analysis Class Diagram

2.2   Analysis Class List

Sequence Number	Analysis Class
1	Store Owner
2	Server
3	Inventory
4	product
5	Customer
6	Order

2.2.1   Store Owner

Description: A user that can upload products for sale.

Methods:

- *Add products*
- Modify existing products.
- Deactivate existing product.
- Request orders.
- Check product status.
- Log in

Attributes:

- StoreName
- Username
- Password

2.2.2   Server

Description: The computer returning the website query. The computer verifying login credentials. The computer returning the inventory query.

Methods:

- Authentication

Attributes:

- Credentials

2.2.3   Inventory

Description: A list of all the quantity of all products (available and unavailable for purchase) viewable only to the Store Owner

Methods:

- Product_Available   (boolean)
- Product_Name   (string)
- Product_List   (std::list)

Attributes:

- product_Quantity   (size_t)

2.2.4   product

Description: A description of an product for purchase by the customer added to the storefront by the owner.

Methods:

- **Purchased**
- **Created**
- **Modified**
- **Active**
- **Deactivated**

Attributes:

- **Name**
- **Description**
- **Price**
- **SKU**
- **Quantity**

2.2.5   Customer

Description: A user who visits the website

Methods:

- Can purchase products
- Can view products
- Can add products to cart

Can request search queries

Attributes:

- Name

- Address

2.2.6 Order

Description: Holds the the product purchased by the customer that can be referenced.

Methods:

- StatusModification

Attributes:

- OrderNumber
- product