

**TN: Team Name**  
**Online Marketplace Storefront**  
**Analysis Class Report**

***Revision History***

<b>Authors</b>	<b>Description of Change</b>	<b>Sections</b>	<b>Rev</b>	<b>Date</b>
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

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## 1 Team Description

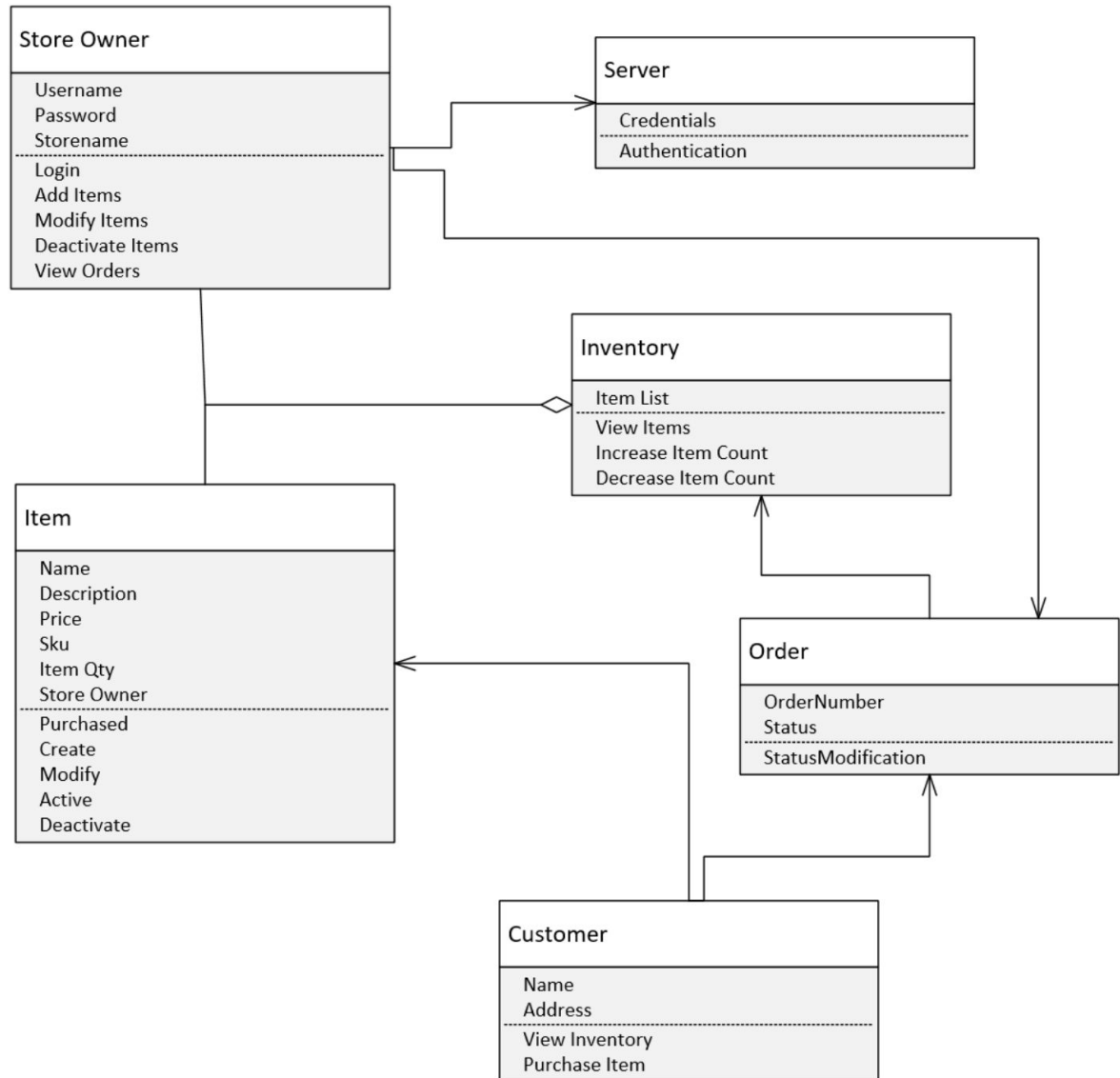
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## 2 Project Description

Statement of Purpose: Web page/storefront that allows store owners to post items 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	Item
5	Customer
6	Order

### 2.2.1 Store Owner

Description: A user that can upload products for sale.

Methods:

- *Add items*
- 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:

- Item\_Quantity (size\_t)

#### 2.2.4 Item

Description: A description of an item 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 items to cart

Can request search queries

Attributes:

- Name

- Address

### **2.2.6 Order**

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

Methods:

- StatusModification

Attributes:

- OrderNumber
- Item