

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

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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 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

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