TN: Team Name

Online Marketplace Storefront

Use Case Report

Revision History

Authors	Description of Change	Sections	Rev	Date
Cameron, Brian, Jorge, Dominick	Added initial description of project, use case diagram and scenarios	1,2	O	2/6/2018
Cameron, Brian, Jorge, Dominick	Updated use case diagram and scenarios to reflect smaller scope of application	1,2	1	2/14/2018
Cameron, Brian, Jorge, Dominick	Updated scenarios and use case diagram	1,2	2	2/20/2018

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1   Team Description

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2   Project Description

Statement of Purpose (Mission Statement): Deliver a reliable web storefront to be managed by the store owner.

Detailed Description: The web storefront provides an online platform for customers and sellers alike to complete transactions for goods. Buyers will be able to view items from the site, make purchases, and track orders. Sellers will be able to add items to their storefront, modify descriptions, view and manage stock for their storefront, and manage the orders.

2.1   Use Case Diagram
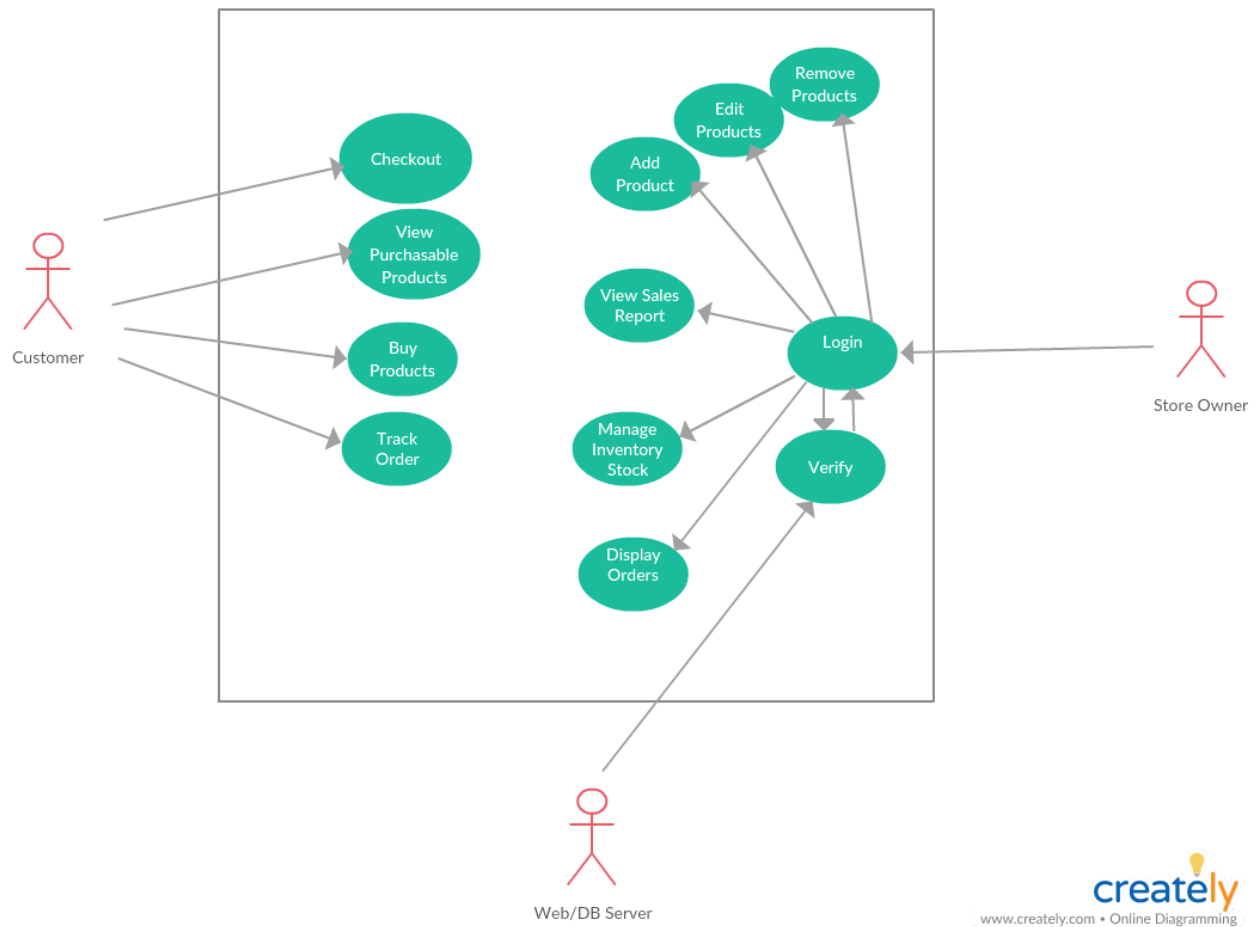
2.2   Use Case List

Use Case		
Sequence Number	**Actor**	**Goal**
1	Customer	View purchasable products.
2	Store Owner	Add a new product
3	Web Server	Verify credentials for store owner.
4	Customer	Customer can select a product
5	Customer	Customer shipping verification
6	Customer	Check out product(s)
7	Store Owner	Account log in
8	Store Owner	Product Deactivation
9	Store Owner	Edit product description
10	Store Owner	Sales Report
11	Store Owner	Inventory Status
12	Store Owner	Store Owner Shipping Verification

2.2.1   View Purchasable Products

Primary Actor: Customer

Secondary Actor: Store Owner

Goal in Context: Customer will **view** products available for purchase.

Preconditions: Products need to be uploaded by store owners.

Additional Description: A customer can **view** products that have been added to the store and its product's details.

2.2.1.1   A customer **views** a product that is not available for purchase.
Display error: Product has been **removed** from listing.

2.2.2   Add a new product

Primary Actor: Store Owner

Secondary Actors(s): Web Server

Goal in Context: **Create** and **upload** products to sell to users

Preconditions: Web server needs to be up and the Store Owner must have an established log in

Additional Description: Store owner ***creates*** product listings for the customer to purchase.

2.2.2.1   Product unable to be added

Display error: Product unable to be added

2.2.2.2   Insufficient Information for product is added

Display error: Product unable to be added

2.2.3   Verify Credentials for store owner

Primary Actor: Web server

Secondary Actors(s): Store Owner

Goal in Context: ***Verify*** credentials for accounts for store owners of the shop

Preconditions: Web server needs to be up/ accounts established

Additional Description:

2.2.3.1   Account is not present

Display Error: Account not recognized/Password is wrong

2.2.3.2   Password is wrong

Display Error: Account not recognized/Password is wrong

2.2.4   Customer Product Select

Primary Actor: Customer

Secondary Actors(s): Store Owner

Goal in Context: <u>Customer</u> can ***select*** <u>products</u> from the storefront to be moved into their cart

Preconditions: Product exists on page. Product is in stock.

2.2.4.1   Product is out of stock

Display: Product is out of stock

2.2.5   Customer Shipping Verification

Primary Actor: Customer

Secondary Actors(s): Store Owner

Goal in Context: Customer ***checks*** to see order is being ***shipped*** *for specific order.*

Preconditions: Purchase has been made and there is at least one order being shipped that has not been delivered

Additional Description: Customer is able to **login** to check which product/status of purchase.

2.2.5.1   Product not yet shipped
Shop owner reminder: A customer is **awaiting** their order.

>   **Show** customer address, payment type, customer name, order date

2.2.5.2   Product Shipped
Alert Customer: Your order has been shipped

>   **Show** customer tracking number, shipping type

2.2.6   Checkout Product(s)

Primary Actor: Customer

Secondary Actor: Web Server, Store Owner

Goal in Context: Customer can **checkout** products they have selected.

Preconditions: Customer will have to have **selected** available products prior to checkout process.

Additional Description: A customer at the checkout process will **enter** email information because there are no accounts for customers. Customers **will enter** enter additional information needed for payment, shipping, etc..

2.2.6.1   Checking out a product that is out of stock.
Display error: Product is out of stock. Removal of item is needed before checkout.

2.2.7   Account Login

Primary Actor: Store Owner

Secondary Actors(s): Web Server

Goal in Context: Store Owners can **log in** to their account for management

Preconditions: Login for web server is **created**

Additional Description: Users login for their accounts to **manage** their orders/inventory

2.2.7.1   No account is present for store owner.
Display error: Account login/password not recognized.

2.2.8   Store Owner Product Deactivation

Primary Actor: Store Owner

Secondary Actors: Web Server

Goal in Context: Store Owner *deactivates* product from being able to be purchased

Preconditions: Product was initially *created* and present on the web front

Additional Description: The shop owner ~~*deletes*~~ or *hides* the page for the product so that the customer is unable to *access* it

2.2.8.1   Product was not on the storefront
Alert Customer: this product is no longer available

2.2.9   Store Owner Edit Product Description

Primary Actor: Store Owner

Secondary Actor(s): Web Server

Goal in Context: Product description is *changed* to reflect on the storefront

Preconditions: Product has been added/created on the storefront

Additional Description: The shop owner *edits* the descriptors/properties for the product to *reflect* changes to the storefront.

2.2.9.1   Product edit is not successful.

Display error: Product edit not successful.

2.2.10 Store Owner Sales Report

Primary Actor: Store owner

Secondary Actors(s): Customer

Goal in Context: Store owner is able to *see* transactions that are awaiting to be processed.

Preconditions: Purchases must have been made by the customer

Additional Description: Store owner is able to *see* transactions made for the storefront for specific products

2.2.10.1 Sales transactions are incomplete
If Payment is bad: *Alert* Customer: invalid payment type

If Address is not found: *Alert* Shop Owner: Address not found/Valid

2.2.11 Store Owner Inventory Status

Primary Actor: Store Owner

Secondary Actors(s): Web Server, Customer

Goal in Context: Store Owner is able to *check* how many items are left for individual products

Preconditions: Product is present/created on the storefront

Additional Description: Store owner is able to *check* the current inventory of individual products on the storefront

2.2.11.1   Inventory does not update/refresh
Alert Shop Owner: Inventory could not be updated

2.2.12 Store Owner Shipping Verification

Primary Actor: Store Owner

Secondary Actors(s): Customer

Goal in Context: Store Owner will be able *update* a page related to customer's order ID and *see* status of shipping.

Preconditions: Customer will need to have an approved order.

Additional Description: Once an order has been approved, it will be *assigned* an ID. The ID will correspond to a page that the customer can *view*. The order ID page will be *updated* by the store owner.

2.2.12.1   Store owner tries to update shipping status of a nonexisting order ID number.

Display error: Order ID not valid.