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

Table of Contents

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 consumer.

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
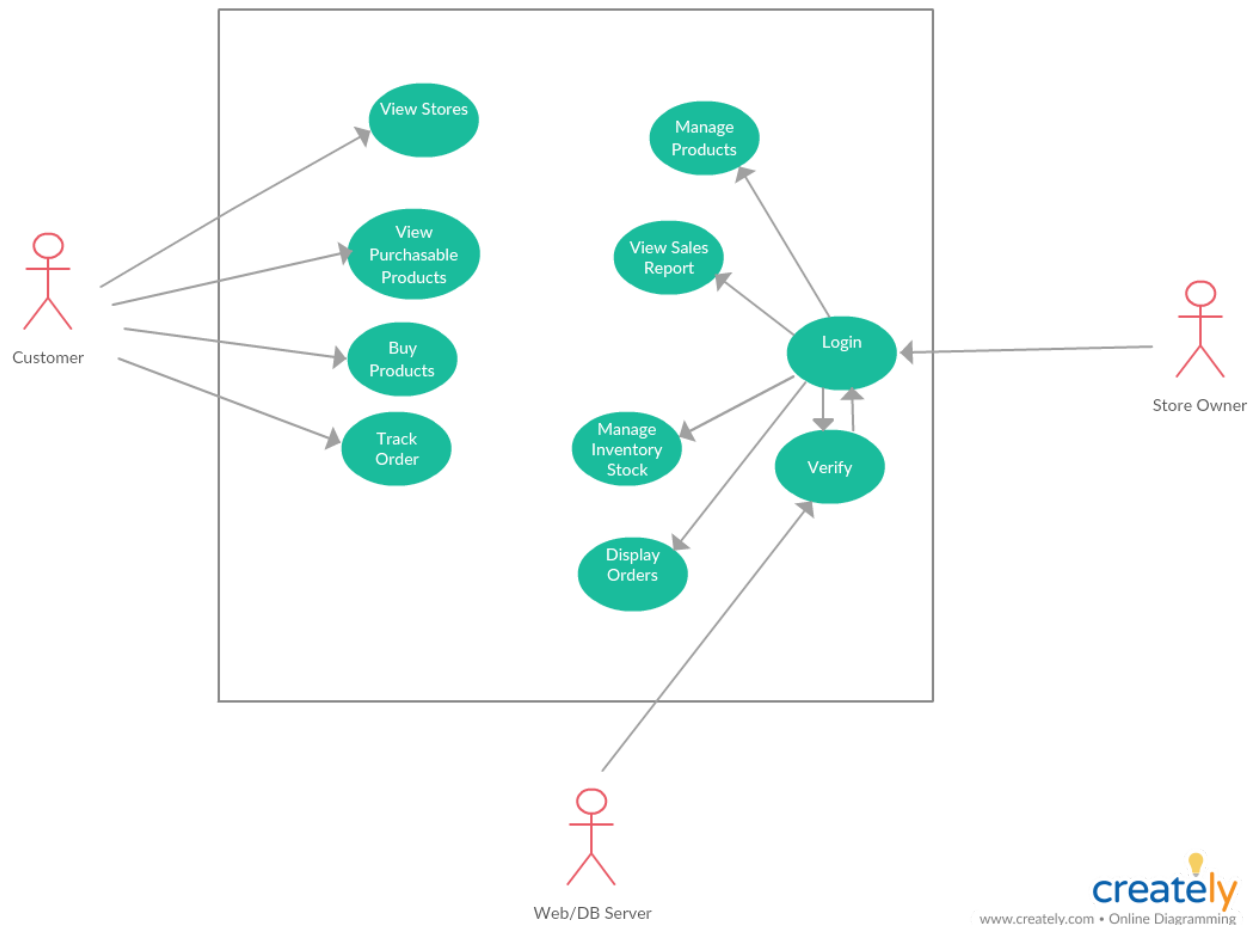
2.2   Use Case List

Use Case		
Sequence Number	**Actor**	**Goal**
1	Customer	Searches for available products. Products are uploaded by shop owner.
2	Store Owner	Create and upload product to sell.
3	Web Server	Verify credentials for accounts.
4	Customer	Customer can purchase a product.
5	Customer	Customer can verify if product has been shipped, after purchase.
6	Customer	Customer/Store owners may will log into accounts.
7	Store Owner	Can delete/deactivate products they no longer wish to carry.
8	Store Owner	Modify product attributes after uploading products.
9	Store Owner	Will see a list of sales related figures.
10	Store Owner	Will see what their inventory looks like.
11	Store Owner	Can verify that their products have shipped.

2.2.1   Customer Search

Primary Actor: Customer

Secondary Actors(s): Shop Owner

Goal in Context: Search for available products

Preconditions: Products need to be uploaded by shop owners.

Additional Description: Customer searches for the product they are looking for on the storefront to purchase from the store owner

2.2.1.1   Searching for non-existent item

2.2.1.2   Item is removed during the purchase process

2.2.2   Create Products

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/ login established

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 Login Credentials

Primary Actor: Web server

Secondary Actors(s): Customer, Store Owner

Goal in Context: Verify credentials for accounts for both customers and store owners for 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 Purchase

Primary Actor: Customer

Secondary Actors(s): Store Owner

Goal in Context: Customer can purchase products from the storefront

Preconditions: Login credentials for web server is created/found. Product exists. Product is in stock

Additional Description: Customer is completing a purchase from the store owner on the store front.

2.2.4.1   Product is out of stock
Display: Product is out of stock

2.2.4.2   User not logged in
If the user is not logged in, they will be asked to log in before being able to purchase. If they do not have an account to use, they will be allowed to make one.

2.2.5   Customer Shipping Verify

Primary Actor: Customer

Secondary Actors(s): Store Owner

Goal in Context: Customer checks to see order is shipping

Preconditions: Purchase has been made

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   Account Login

Primary Actor: Customer, Store Owner

Secondary Actors(s): Web Server

Goal in Context: Customers and Store Owners can log into their account for management

Preconditions: Login for web server is created

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

2.2.6.1   No account is present for either actor

2.2.7   Store Owner Deactivate Product

Primary Actor: Store Owner

Secondary Actors: Web Server

Goal in Context: Store Owner deactivates product from purchase

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

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

2.2.8   Store Owner Modify 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:

2.2.9   Store Owner Sales Report

Primary Actor: Store owner

Secondary Actors(s): Customer

Goal in Context: Store owner is able to see transactions that are active

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

2.2.9.1   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

2.2.10 Store Owner Inventory Check

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

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

2.2.11 Store Owner Product Shipment

Primary Actor: Store Owner

Secondary Actors(s): Customer

Goal in Context: Store Owner is able to track shipping information of product to customer

Preconditions: Purchase from a customer

Additional Description: Store owner is able to see the status of a product sent to a customer

2.2.11.1 Product has not been shipped yet
Alert Shop Owner: a product is waiting to be shipped

Alert Customer: A product is waiting to be shipped