CSCI467 – Introduction to Software Engineering
Group 2A
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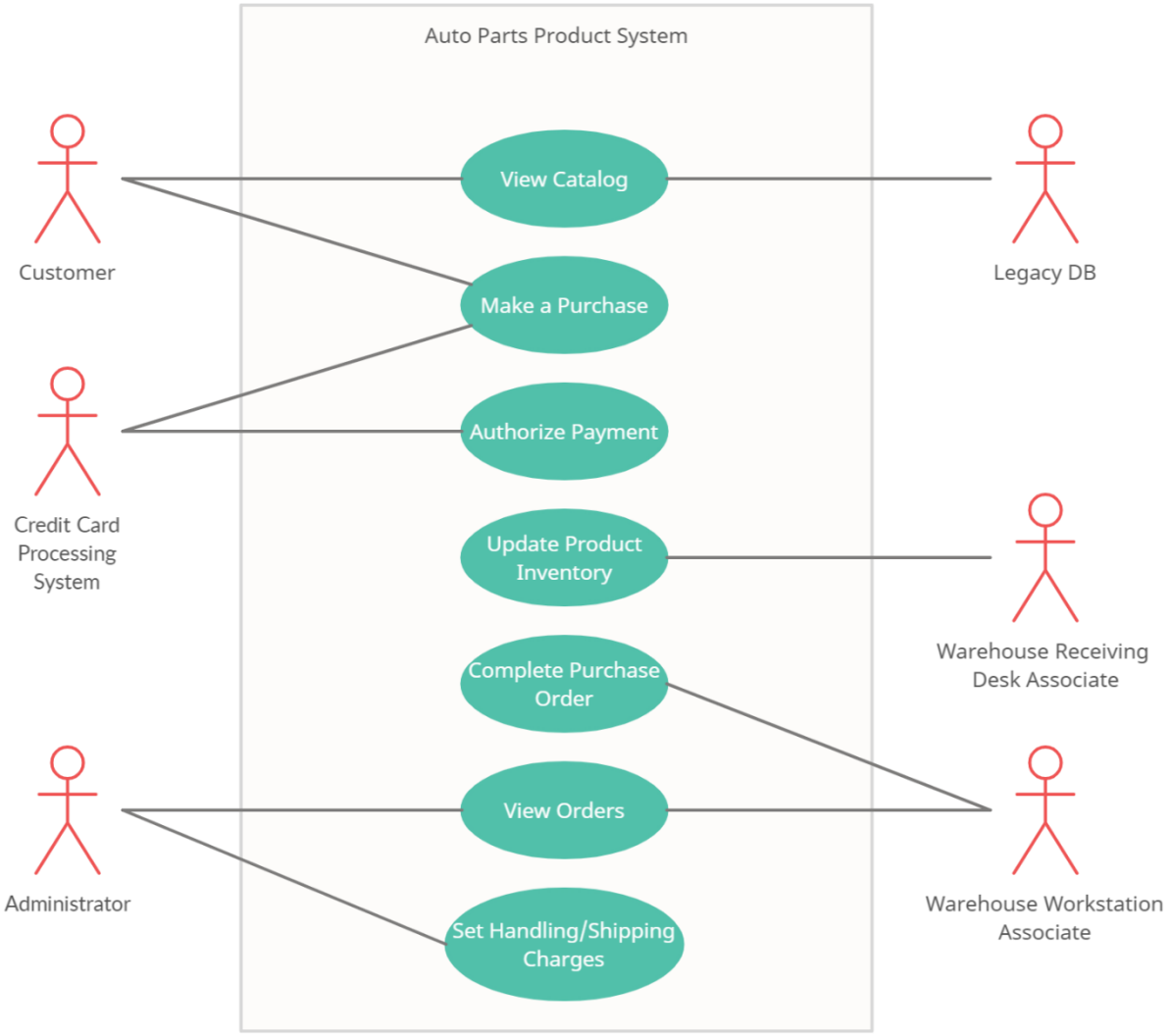
Use Case Model



Actor Descriptions

Actor	Description	Use Case (s)
Customer	Views data about products from the company catalog before potentially making a purchase of a product	View Catalog Make a Purchase
Credit Card Processing System	Responsible for authorizing customer's payment for a product	Make a Purchase Authorize Payment
Administrator	Responsible for setting handling/shipping charges. Able to view all orders in the system	View Orders Set Handling/Shipping Charges
Legacy DB	Contains data on all products offered by the company	View Catalog
Warehouse Receiving Desk Associate	Maintains inventory information for products offered by the company	Update Product Inventory
Warehouse Workstation Associate	Responsible for labelling orders and notifying customers of a completed order	Complete Purchase Order View Orders

Use Case Descriptions

View Catalog Description

Actors	Customer, Legacy DB
Description	The customer browses the catalog from the company. The catalog information is maintained by the Legacy DB.
Data	Product name, description, picture, price and available quantity
Stimulus	Customer browses catalog.
Response	Product information is obtained from Legacy DB
Comments	Each product is identified by a unique product id

Make a Purchase Description

Actors	Customer, Credit Card Processing System
Description	The Customer provides their credit card (and other data), the purchase amount and the credit card information are transferred to The Credit Card Processing System.
Data	purchase amount, name, email, mailing address, credit card information.
Stimulus	The Customers Data is put in or The Credit Card Processing System gets purchase amount and credit card information.
Response	Authorization number is created.
Comments	Purchase amount is determined by applying shipping and handling charges to the price of all ordered items.

Authorize Payment Description

Actors	Credit Card Processing System
Description	The Credit Card Processing System receives credit card information that it may authorize as sufficient for payment completion.
Data	Credit card number, credit card expiration date, purchase amount
Stimulus	Data is received.
Response	Email is sent to the customer confirming the order.
Comments	Authorization number is formed before email is sent.

Update Product Inventory Description

Actors	Warehouse Receiving Desk Associate
Description	The Warehouse Receiving Desk Associate updates products in the inventory as they are received at the Warehouse. Inventory information is maintained by an Inventory Database.
Data	Product quantity on hand
Stimulus	Warehouse Receiving Desk Associate selects operation when new inventory arrives at the warehouse.
Response	Product quantity on hand is updated.
Comments	Each product is identified by a unique product id.

Complete Purchase Order Description

Actors	Warehouse Workstation Associate
Description	The Warehouse Workstation Associate prints packing lists for completed orders, retrieves the items from the warehouse, packages them, adds the invoice and shipping label.
Data	Product quantity on hand, charges, package
Stimulus	Warehouse Workstation Associate selects operation when there is a new order.
Response	Packing and shipping completes the order, and it is recorded in the order status. An email us sent to the customer with a confirmation code.
Comments	Each purchase is identified by a unique id.

View Orders Description

Actors	Administrator, Warehouse Workstation Associate
Description	The Administrator and Warehouse Workstation Associate can view the orders that have been created. Successful packing and shipping completes the order and is recorded in the order status. The complete order detail is displayed for a selected order.
Data	Date range, status (authorized, shipped).
Stimulus	Administrator or Warehouse Workstation Associate selects operation when there is an update in the order status.
Response	An email is sent to the customer confirming that the order has shipped.
Comments	Each order is identified by a unique id.

Set Handling/Shipping Charges Description

Actors	Administrator
Description	The Administrator manages shipping and handling charges. Shipping and handling charges are based on the weight of a complete order. This interface allows to set the weight brackets and their charges.
Data	Price range
Stimulus	Administrator selects operation when there is a new order.
Response	The order is updated with shipping and handling charge.
Comments	Price is determined by order weight.