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**COURSE NUMBER**: CSCI 567 **SECTION**: 2

**USE CASE SPECIFICATION FOR CREATE NEW CUSTOMER**

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| **Use  case  Name:** | **Create new customer account** |
| **ID:** |  |
| **Summary:** | **The system creates a new account for the customer** |
| **Primary actor:** | **Customer** |
| **Secondary actor:** | **None** |
| **Pre condition:** | **None** |
| **Main flow:** | **1.the use case begins when the customer selects “create a new customer account”**  **2.the customer enters a unique customer id (auto generated),customer password, customer first name, last name, customer address(street, city, state, zip code),contact name, contact phone**  **3.the system validates the entered customer account data**  **4.the system creates a new account for the customer** |
| **Post condition:** | **1.the use case ends after customer confirms the submission of the creation of the new customer account**  **2.the customer account is created and stored in the database if needed**  **3.the customer can update the account anytime** |
| **Alternative flow/exceptions:** | **1.invalid email address format**  **3.the customer can press the cancel button whenever he/she wants to terminate** |

**USE CASE SPECIFICATION FOR CREATE NEW SALES ORDER**

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| **use case name :** | **create new sales order** |
| **Id:** |  |
| **Summary:** | **The customer creates a new sales order for placing the order** |
| **Primary actor:** | **Customer** |
| **Secondary actors:** | **Sales representative, system administrators, printer,** |
| **Precondition:** | **1.the customer selects the parts from the part catalog** |
| **Main flow:** | **1.the use case begins when the customer clicks on the place order button**  **2.the customers enters the following details starting with customer name, customer id(must enter the id which he got when he created the customer account),customer phone, ordered date part number, quantity, unit of measure, shipping address**  **3.the customer also enters the credit card details (name on the card, card number, cvv, expiry date, pin)**  **4.the system auto generates the order number, item barcode number(based on the part number),selling price ,shipping cost/handling cost, subtotal, tax, total amount.**  **5.the payment is done and the sales order is saved in the database** |
| **Post condition:** | **1.the use case ends once the customer confirms the sales order**  **2.the sales order is later reviewed by the sales representative** |
| **Alternative flow/exceptions:** | **1.the customer can cancel the sales order at any time by pressing cancel**  **2.the system asks to reenter the details if the customer details are not valid** |

**USE CASE SPECIFICATION FOR GENERATE SALES ORDER PICKLIST**

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| **Use case name:** | **generating sales order picklist** |
| **Id:** |  |
| **Summary:** | **The use case allows the warehouse staff monitors the sales order log and generate a sales order pick list for picking order items to the picking staff** |
| **Primary actor:** | **Warehouse staff** |
| **Secondary actor:** | **Picking staff, printer** |
| **Pre condition:** | **1.the warehouse staffs logs in to the legacy system**  **2.generates the sales order picklist only when the warehouse staff sees the new order** |
| **Work flow:** | **1.the use case begins when the warehouse staff sees the new sales order**  **2.the system allows the warehouse staff to generate a picklist by specifying the ordered item, order number ,sales order received date, location ,item barcode number** |
| **Post condition:** | **1. The use case then generates a picklist after the warehouse staff confirms by clicking the confirm button.** |
| **Alternative flow/exceptions:** | **1.the warehouse staff can cancel generating the picklist at any time** |

**USE CASE SPECIFICATION FOR RECORD SALES ORDER SHIPMENT**

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| **Use case name:** | **Sales order shipment** |
| **Id:** |  |
| **Summary:** | **This use case allows the shipping staff to record the sales order** |
| **Primary actor:** | **Shipping staff** |
| **Secondary actor:** | **Account Receivable(A/R) system** |
| **Precondition:** | **1.the shipping staff checks if two orders for same customers if yes, creates two different shipment labels for each order**  **2.the shipping staff logs creates a shipment label**  **3.the shipping staff logs in to the system and locate the sales order** |
| **Workflow:** | **1.the use case begins after the shipping staff locates the sales order and clicks the record a sales order shipment button**  **2.the shipping staff record a sales order shipment by giving the shipment date, shipment id, carrier name, tracking number**  **3.the shipping staff after recording clicks the ship button, thus completing the generation of sales record shipment** |
| **Post condition:** | **1.the shipping staff sends a copy to A/R system to charge** |
| **Alternative flow/exceptions:** | **1.the shipping staff can cancel recording the sales order shipment** |