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| --- | --- |
| **Name** | **Place Order** |
| **Id** | 1 |
| **Scope** | Ordering System |
| **Priority** | High |
| **Summary** | Allows customer to select products and pay for the order. |
| **Primary Actor** | Customer |
| **Supporting Actor(s)** | Product DB, Credit card processing System |
| **Stakeholders** | NA |
| **Generalization** | NA |
| **Include** | NA |
| **Extend** | NA |
| **Precondition** | Customers will be presented with a custom ordering program |
| **Trigger** | NA |
| **Normal Flow** | 1. Customer selects products from product DB. 2. Ordering system prompts customer for customer information. 3. Customer gives customer information. 4. Ordering system reads the customer information. 5. Ordering system prompts the customer for credit card details. 6. Customer provides credit card details which includes credit card number, Expiration date and purchase amount. 7. Ordering system reads the credit card details from the customer. 8. Ordering system sends the details to Credit card processing system. 9. Credit card processing system authenticates the credit card details. 10. Credit card processing system confirms to the ordering system with an authorization number. 11. Ordering system displays the confirmation of order to the customer. |
| **Sub-Flows** | 1.a. Customer inputs part number or description for selecting the product.  b. Ordering System queries product DB for corresponding product.  c. Product DB sends requested product details.  d. Ordering system displays the product details to the customer.  e. Customer selects the desired product.  f. Ordering system highlights the selected item.  g. Ordering system prompts customer for product quantity.  h. Customer enters the product quantity. |
| **Alternate Flow/Exceptions** | Product DB is not accessible, Inappropriate part number or description |
| **Post condition** | NA |
| **Open Issues** | NA |
| **Source** | Ordering System |
| **Author** | CSCI 567 |
| **Revision and Date** | 0.2 03/03/2016 |

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| --- | --- |
| **Name** | Estimate Delivery time |
| **Id** | 2 |
| **Scope** | Ordering System |
| **Priority** | Normal |
| **Summary** | Gets the location from the customer to predict the estimated delivery . |
| **Primary Actor** | Customer |
| **Supporting Actor(s)** | Warehouse Shipping Staff |
| **Stakeholders** | NA |
| **Generalization** | NA |
| **Include** | NA |
| **Extend** | NA |
| **Precondition** | Customer selects a product. |
| **Trigger** | Customer checks the quick delivery option. |
| **Normal Flow** | 1. Ordering System prompts customer for location. 2. Customer provides the location. 3. Ordering system reads the location from customer. 4. Ordering System provides the fastest delivery time to the particular location. 5. Ordering System looks up additional charges for quick delivery. 6. Ordering System displays the information to the customer. |
| **Sub-Flows** | NA |
| **Alternate Flow/Exceptions** | Customer provides invalid location. |
| **Post condition** | NA |
| **Open Issues** | NA |
| **Source** | Ordering System |
| **Author** | CSCI 567 |
| **Revision and Date** | 0.1 03/02/2016 |

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| --- | --- |
| **Name** | **Shipping & Update Order Status** |
| **Id** | 4 |
| **Scope** | Ordering System |
| **Priority** | Normal |
| **Summary** | Packing and shipping is done and updates the order status. |
| **Primary Actor** | Warehouse Shipping Staff |
| **Supporting Actor(s)** | NA |
| **Stakeholders** | DB Maintenance employees |
| **Generalization** | NA |
| **Include** | NA |
| **Extend** | NA |
| **Precondition** | Warehouse receives the order details and estimated delivery time. |
| **Trigger** | NA |
| **Normal Flow** | 1. Warehouse shipping staff prints the packing lists. 2. Warehouse shipping staff retrieves the items from the warehouse. 3. Warehouse shipping staff packs the products. 4. Ordering system prints invoice and shipping label. 5. Warehouse shipping staff ships the product. 6. Ordering system updates the order status. |
| **Sub Flow** | NA |
| **Alternate Flow/Exceptions** | NA |
| **Post condition** | NA |
| **Open Issues** | NA |
| **Source** | Ordering System |
| **Author** | CSCI 567 |
| **Revision and Date** | 0.1 03/02/2016 |

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| --- | --- |
| **Name** | **Manage Inventory** |
| **Id** | 5 |
| **Scope** | Ordering System |
| **Priority** | Normal |
| **Summary** | Products gets added to the inventory after the delivery. |
| **Primary Actor** | Receiving desk employees |
| **Supporting Actor(s)** | NA |
| **Stakeholders** | Product Suppliers |
| **Generalization** | NA |
| **Include** | NA |
| **Extend** | NA |
| **Precondition** | NA |
| **Trigger** | NA |
| **Normal Flow** | 1. Receiving desk employees receives the products delivered. 2. Receiving desk employees adds the received products to the inventory. 3. Receiving desk employees recognizes the products with the description and part number. 4. Ordering system updates the quantity of the products. |
| **Sub-Flows** | NA |
| **Alternate Flow/Exceptions** | NA |
| **Post condition** | NA |
| **Open Issues** | NA |
| **Source** | Ordering System |
| **Author** | CSCI 567 |
| **Revision and Date** | 0.1 03/02/2016 |

|  |  |
| --- | --- |
| **Name** | **Additional Charges** |
| **Id** | 3 |
| **Scope** | Ordering System |
| **Priority** | Normal |
| **Summary** | Administrator handles additional charges |
| **Primary Actor** | Administrator |
| **Supporting Actor(s)** | NA |
| **Stakeholders** | Administrating staff |
| **Generalization** | NA |
| **Include** | NA |
| **Extend** | NA |
| **Precondition** | Customer finalizes an order. |
| **Trigger** | Customer clicks the place order option. |
| **Normal Flow** | 1. Administrator acknowledges the order. 2. Administrator sets the shipping and handling charges. 3. Administrator sets the local tax rate. |
| **Sub-Flows** | NA |
| **Alternate Flow/Exceptions** | NA |
| **Post condition** | NA |
| **Open Issues** | NA |
| **Source** | Ordering System |
| **Author** | CSCI 567 |
| **Revision and Date** | 0.2 03/03/2016 |