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IP2: Individual Assignment 2

FR1:

Use case(s):

Create customer account

Boundary object(s):

Sales manager

Business object(s):

Customer account

Attributes:

Unique system-assigned account number/ID, the company name, complete address (street, city, state, and zip code) for billing and shipping, first name, last name, email, and phone number of company representative, type.

Properties:

Customer account can either be in an auto or manual quote setting, which is determined by the sales manager.

The sales manager must enter in their email address and phone number for the customer to have a point of contact.

After account creation, the system will generate a password and send the login information to the customer via e-mail. (company ID and password)

Use case(s):

Generate account log in information

Boundary object(s):

Sales Manager/System

Business object(s):

Authorized Customer

Attributes:

Company ID

Password

Properties:

The system generates and notifies the customer representative via email with the company ID and password, as soon as the account has been created.

FR2:

Use case(s):

Create a new airplane inventory part

Boundary object(s):

Authorized Sales Manager

Business object(s):

Part

Attributes:

Unique part number, part name, barcode, part description, quantity, listing/selling price (may be blank), manufacturer name, image(s), and comments.

FR3:

Use case(s):

Create a Request For Quote

Boundary object(s):

Authorized Customer Representative

Business object(s):

Request For Quote

Attributes:

Updatable fields: Part number, quantity, require date, status.

Properties:

Customer must have company id and password to gain access.

The system must be able to accept one or more parts for a single RFQ order.

If the customer’s account was set up as auto-quote, then the system calculates the quote and displays the results to the customer immediately.

If the customer’s account is manual-quote, then the system must notify the sales manager of the customer’s generated RFQ.

FR4:

Use case(s):

Create a sales quote

Boundary object(s):

Authorized Sales Manager

Business object(s):

Request For Quote

Attributes:

For attributes see FR3.

Additional:

Provide by date and price.

Properties:

The sales manager must be able to select an RFQ associated with the selected customer.

RFQ is not created till manager presses submit button.  
 RFQ is generated with Created status.

Use case(s):

Generate Quote from RFQ

Boundary object(s):

Sales Manager/System

Business object(s):

Sales quote

Attributes:

Unique sales quote number, the date the quote was created, the part number, part description, part image(s), the quantity, the date that GPS can provide the part, the price, and the date that the quote expires. (Which is 30-days from quote creation date), status.

Properties:

The system sets the sales quote status to Created.

FR5:

Use case(s):

Submit sales quote

Boundary object(s):

Authorized Sales Manager

Business object(s):

Sales Quote

Attributes:

For attributes see FR4.

Properties:

Must allow an authorized sales manager to submit one or more sales quotes to a selected customer.

Once submitted, the system will set the status of the quote to “Submitted to Customer”, and sends a notification out to the customer.

FR6:

Use case(s):

Allow an Authorized customer to accept sales quote

Boundary object(s):

Authorized Customer Representative

Business object(s):

Sales Quote

Attributes:

For attributes see FR4.

Properties:

Customer must be able to select one or more unexpired sales quotes.

When the customer Accepts the sales quote, then the sales quote is set to an Accepted state.

Use case(s):

Generate a sales order based on quote

Boundary object(s):

Authorized Sales manager

Business object(s):

Sales Order

Sales order Header

Attributes:

Unique order number, order date (date that sales quote was accepted), required date, customer name, complete address.

Sales order line

Attributes:

Part number, description, order quantity, unit price, and the sales order total amount.

Properties:

After the sales order is generated, then the system sends a copy of the sales order to the associated customer using the customer representative’s email address.

The system will also generate and send notifications to GPS’s Accounts Receivable (AR), Sales Order Management(SOM), and Inventory Management (IM); this happens once a sales order has been accepted.

Sales order must be associated to customer.