

Door Production Manager

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Change Log

Sprint 2

Changes	Date
Added Test Plan with 50 Test Cases	09/30/17
Added UML Class Diagram	09/30/17
Added Sprint 2 Hours Log	09/30/17
Added Change Log	09/30/17
Updated Software Description	09/30/17
Updated Data Objects Fields	09/30/17

Sprint 3

Changes	Date
Added Test Plan with 53 Test Cases, 103 Total Now	10/22/17
Added UML Activity Diagram	10/22/17
Added Sprint 3 Hours Log	10/22/17
Added Change Log for Sprint 3	10/22/17
Updated Data Objects	10/22/17

Sprint 4

Changes	Date
Updated the Access Level of Users	10/29/17
Updated Alternate/Competing Products	10/31/17
Updated the Test Case Structure	11/11/17
Added Burndown Charts	11/11/17
Added UML Sequence Diagram	11/11/17
Added Sprint 4 Hours Log	11/12/17
Added Change Log for Sprint 4	10/30/17
Added 51 Test Cases, 154 Total Now	11/09/17

Sprint 5

Changes	Date
Added Change Log for Sprint 5	12/12/17
Added 54 Test Cases, 208 Total Now	12/12/17
Added Sprint 5 Burndown Chart	12/12/17
Added Sprint 5 Hours Log	12/12/17

Project Proposal

Team Name

Team No Name Yet or Team No Name

Members

- Eric Ray - ejray21@gmail.com (Programmer, Tester)
- Ervin Rodriguez - mtr746@my.utsa.edu (Lead, GUI Programmer, Design)
- Miguel Cardenas - c.miguel709@gmail.com (Lead, Chief Architect, Design)
- Richard Salcedo - kbgagt@gmail.com (Programmer, Tester)
- Stefan Marchand - marchandstefan@gmail.com (Programmer, Tester)

Software Description

Door Production Manager is an inventory management and blueprint creator application. It is designed to minimize the time needed to complete an order for a door and make the process easier for the user. It will minimize the hassle of manually keeping track of inventory and the process of creating a report. It allows users/company to upload sketches, pictures, or blueprints of the product that is easier to communicate with other users in the company or with customers.

First, a customer contacts a user/company to buy a door. The user checks the inventory and creates a list that will produce an estimated cost. Using the product information given by the customer and/or drafted by the user, the application generates a sketch or blueprint of the product. Based on the blueprint, the program will create a list of the required parts and materials. Then, the inventory is updated. When the product is completed, creates packing slip

Feature List

1. User Management; create and add users, manage levels of access.
2. Inventory SCRUD.
3. Order SCRUD.
4. Generate/Produce Reports: Inventory, Estimate or Quote, Blueprint.
5. Auto-generate a simple blueprint.

Target Platform

This will be a Desktop Application.

Alternate/Competing Products

- **ABC Inventory** - Inventory Management application. Allows users to create purchase/work orders, keep track of inventory, and produce reports. Door Production Manager is better than ABC Inventory in terms of it specializing on the tools needed by Deansteel Manufacturing Company. A main feature that ABC Inventory doesn't have is the creation of Quote or an estimate of the products a customer wishes to purchase.
- **SmartDraw** - Blueprint maker application. Allows the creation of professional quality diagrams with the use of context specific templates and objects. The Blueprint creation feature of Door Production Manager is better in terms of what kind of job needs to be done. DPM, in addition to the features of importing and exporting images that SmartDraw has, can automatically generate a blueprint based on the Inventory items that are within a Product.

Overall, Door Production Manager is better than the above softwares in terms of it meeting the needs of the client and in a single product. It meets the specifications given by the requirements and it has all the tools that the client is looking for in a software.

Client Stakeholder

Mr. Juan Cardenas (Deansteel)

Glossary

SCRUD - stands for Search, Create, Read, Update, Delete; general actions that a program performs when working with databases

Inventory - can also be referred to parts, these are parts that are used to build doors; items that are not sold directly to client

Quote - a list containing parts, materials, or product and a price estimate

Order - defines a transaction that was made or is being completed for a customer; contains information about the product and customer

Product/Door - Main product being sold by the company; items that can be sold

Materials - Anything used in the building process that is managed in the company's inventory (sheet metal, wood, etc.)

Hardware/Additions - Additional features that can be sold with a door (hinges, locks, closing devices, windows, etc.)

Blueprint - Diagram detailing the various dimensions/measurements of a door

User - Company worker using the application (Salesman, Accountant, Stock Manager, etc.)

Customer - Individual who contacts the company asking for a quote on specific doors

Inventory Database - A database that contains Stock Products, Materials, and any Hardware/Additions needed to create all types of quotes

Order Database - A database that contains all Orders on record, past and recent

Report - Various documents that can be printed out for use within the company (required materials list, invoice, blueprints, etc...)

Functional Requirements

User Login/Logout. As a user, I want to be able to login into or logout of the application.

Create/Add User. As an admin user, I want to be able to add other employees as user into this application.

Remove User. As an admin user, I want to be able to remove or delete inactive users from the application.

Change Level of Access. As an admin user, I want to be able to change a user's level of access by defining the user type.

Add Inventory Item. As a user, I want to be able to add a possibly new item into the Inventory.

Read Inventory Item. As a user, I want to be able to view an item to check its properties.

Search Inventory Item. As a user, I want to be able to search for an item or a set of items.

Update Inventory Item. As a user, I want to be able to make changes or update an existing item in the Inventory.

Add/Create Order. As a user, I want to be able to start or create an order after a request from a customer.

Delete Order. As a user, I want to be able to delete or remove an existing order.

Search Order. As a user, I want to be able to search for a past or current order.

Update Order. As a user, I want to be able to make changes or update a current or pending order.

Read Order. As a user, I want to be able to view an order to read detailed information about that order.

Add to Quote. As a user, I want to be able to add an Inventory item into a Quote by selecting it.

Save Quote. As a user, I want to be able to save a Quote that is in process for a later use or reference.

Upload Drawing/Blueprint. As a user, I want to be able to upload an image of a blueprint or sketch into the application or specifically into an order.

Delete Drawing/Blueprint. As a user, I want to be able to delete a sketch from an existing order when it is not needed or contains incorrect informations.

Add Notes to Drawing/Blueprint. As a user, I want to be able to add notes or hand notes onto an uploaded drawing or blueprint.

User Types

All Users

Login/Logout

Sales

Search Orders/Quotes
Create Orders/Quotes
Read Orders/Quotes
Update Orders/Quotes
Delete Orders/Quotes
Generate Reports
Export Reports
Upload Blueprints
Generate/View Blueprints
Edit Blueprints

Accounting

Search Orders
Read Orders
Search Inventory
Read Inventory

Purchasing

Search Orders
Read Orders
Search Inventory
Create Inventory
Read Inventory
Update Inventory

Engineer

Search Inventory
Read Inventory
Search Orders
Read Orders
Upload Blueprints
Generate/View Blueprints
Edit Blueprints

InventoryManager

Search Inventory
Create Inventory
Read Inventory

Update Inventory
Delete Inventory
Inventory Report

Admin

Create/Add User
Remove User
Change Level of Access
All Other Functionalities

Data Objects

USER

- **Id (int)**: the id of this user, used mainly in the database
- **User type/access (String)**: the type of user or the level of access; Salesman, Accountant, Stocker, Engineer
- **Username/login (String)**: the username used to login
- **Password (String)**: the password used to login
- **Name (String)**: the name of the user; used as a display
- **Email address (String)**: email address of user; used when sharing orders or quotes

INVENTORY

- **Id (int)**: unique id for this part; used for database
- **Item number (String)** - a number assigned by Deansteel to this time
- **Quantity (int)**- the quantity of this part still available in the warehouse
- **Minimum quantity (int)**- the minimum quantity of this part that should be in the warehouse
- **Maximum quantity (int)**- the maximum quantity of this part in the warehouse
- **Manufacturer (String)**- the manufacturer of this part
- **Manufacturer Number (String)**- the manufacturer assigned number of this part
- **Vendors (String, comma-separated values)**- the vendors that are supplying this part
- **Size (String)**- the size description of this item
- **Color code (String)**- a color code for this item
- **Unit of measure (String)**- the unit of measure used for this item
- **Extra information (String)**- a String description of this item
- **Category (String)**- The category this item belong to; i.e. part, material
- **Accounting code (String)**- a code used by the accountant
- **Actual cost (double)**- the actual cost to obtain this item
- **Selling price (double)**- the selling price of this item
- **Taxable (boolean, String in DB)**- whether this item is taxable or not

ORDER

- **id (int)**: unique id for this order; used for DB
- **quote(Quote object), quoteID in db (int)**: the Quote object used for this Order; stored as quote ID in the DB
- **customerPurchaseOrderNumber (String)**: a number that is given by the customer
- **customerName (String)**: the name of the customer this order is made for
- **productCode (String CSV)**: a unique product code provided by Deansteel, there can be 1 or multiple product codes within an order
- **status (String)**: the status of this product, automatically gets updated based on shipping dates
- **dateOrdered (Date)**: the date the Quote was approved
- **targetShipping (Date)**: taken from the Quote
- **actualShipping (Date)**: inputted later on before production
- **blueprint (Blueprint object), blueprintID in DB (int)**: Blueprint object that is used for this order; stored as a blueprint ID in DB
- **totalAmount (double)**: the total amount in this order

PRODUCT

- **productID**: unique number to identify product; for database
- **inventoryList (List<Inventory>), inventoryIDs CSV format in DB (String)**: List of inventory items used to make this product; stored as a String comma-separated ID values in DB
- **totalCost (double)**: the total cost of the product based on the selling price of the inventory items used to make it

QUOTE

- **quoteID (int)**: the id of this quote; for DB
- **productsList (List<Product>), productIDs CSV format in DB(String)**: List of products used for this quote; stored as a String comma-separated ID values in DB
- **totalCost (double)**: the total estimated cost for this quote, may include additional cost such as labor, etc...

PRODUCT/QUOTE TABLE in DATABASE

Product and Quote will share the Product Table in the Database since both have an id, a List, and a totalCost. In the database. There will be a 4th field called **category** to distinguish whether a record is either a **Product or Quote**.

BLUEPRINT

- **id (int)**: unique identifying number; for database
- **productID (String)**: the id of the product this blueprint is made for
- **dimension**: the dimension of the base door
- **strikeHeight**: the strikeheight of this door
- **frame**: the size of the frames that goes round the door

- **hingeSpaces**: the gap between the hinges and the gap of the top hinge and the top of the door
- **notes**: any notes inputted by the user specifically about the measurements of the door
- **inventoryNotes**: notes that is specifically for the inventory items that makes up this product

REPORT (still need to research)

- **content (String)**: the content of this report; this will be generated by a toString() like function built in the Data objects to be printed
- **blueprints (List<Image>)**: The blueprints in this report

Milestones

Sprint 1

1. Finish Specification
2. Have a GUI mockup
3. Set up a Version Control such as Github, BitBucket, or Unity VC

Sprint 2

1. Create GUI skeleton
2. Finish Inventory SCRUD
3. Finish Order SCRUD
4. Create GUI for inventory and order

Sprint 3

1. Quote SCRUD
2. Reports Creation
3. Quote and Product Creation
4. Create GUI for Quote and Reports

Sprint 4

1. User Restriction
2. Finish Blueprint Uploading
3. Create GUI for blueprint

Sprint 5

1. Implement additional features/optional features (login/user types)
2. Acceptance Testing

Test Plan/Test Cases

Sprint 2

Test #	SPRINT 2	1 Pass / 0 Fail	Test Date	Tester	Expected Result	Actual Result	Notes
1 Login							
1.0	Application Starts	1	09/09/17	Ervin	Application starts, window opens	started, opened	
1.1	Login Fail: Login button pressed without credential	1	09/22/17	Miguel	Login fails	Login failed	
1.2	Login Fail: Login button pressed without username	1	09/22/17	Miguel	Login fails	login failed	
1.3	Login Fail: Login button pressed without password	1	09/22/17	Miguel	login fails	login failed	
1.4	Login Fail: Non-existent/incorrect username	1	09/22/17	Miguel	login fails	login fails	
1.5	Login Fail: Non-existent/incorrect password	1	09/22/17	Miguel	login fails	login failed	
1.6	Login Success: Correct and complete credentials	1	09/22/17	Miguel	login success	login successful	
1.7	Login: when Enter button is pressed	1	09/28/17	Miguel	login, switched to landing page	expected	fixed
2 Main Page							
2.0	Switch to Landing Page: When login is successful	1	09/22/17	Miguel	switch to landing page	switched to landing page	
2.1	Switch to Login Page: When logout is pressed	1	09/22/17	Miguel	switch to login page	switched to login page	
2.2	Hovering on Menu Items shows a magnifying effect	1	09/23/17	Ervin	magnifies word on menu	magnified words	
2.3	Remove Detail/Edit Page: when other menu tab (Inventory, Order, Quote, Users)	1	09/26/17	Ervin	clears center and right pane	cleared panes	
3.0	Inventory List Page displays in Center when inventory is clicked	1	09/23/17	Ervin	displays list page	displayed list page	
3 Inv. GUI							
3.1	List gets populated: Inventory List gets populated by data from database	1	09/23/17	Ervin	list gets populated	list populated	
3.10	Removed from list: when Delete button in Detail Page is clicked	1	09/28/17	Ervin	removed from list, updates list	removed and list updated	
3.11	Return back to Detail Page: when Cancel button is pressed from Edit Page	1	09/28/17	Ervin	switch from edit to detail page	switched correctly	
3.12	List with Searched Item: When search button is pressed and there are values in textfield	1	09/28/17	Ervin	list populated	populated with inventory	
3.13	List doesn't get populated: When search button is pressed and no values in textfield	1	09/28/17	Ervin	list doesn't get populated	list didn't get populated	
3.14	Inventory Search Display: displays on list the searched item	1	09/28/17	Ervin	list populated with correct inventory	populated, correct items	
3.15	Inventory Search Display: no extra or unwanted items displays	1	09/28/17	Ervin	list populated with only desired inventory	works correctly	
3.16	Inventory Search Button: button works	1	09/28/17	Ervin	button works	button worked	
3.17	Nothing happens when clicking on texts on Detail Page	1	09/28/17	Ervin	nothing should happen	nothing happened	
3.18	Highlight Inventory Item: when clicking an item on the list	1	09/28/17	Ervin	highlight clicked item	item is highlighted	
3.19	Nothing happens on single click: clicking an item on the list once shouldn't do anything	1	09/28/17	Ervin	nothing happen on single click	nothing happened	
3.2	Display Inventory Edit page: When Add New Item or double clicking item from list	1	09/25/17	Ervin	edit page opens with values of selected	opened, correct inventory values	
3.20	Updates the current item fields: when Save button is clicked in Edit Page	1	09/28/17	Ervin	inventory item fields gets updated	fields were updated	
3.21	Display Detail page with updated values: when Save button is clicked	1	09/28/17	Ervin	detail page displayed with updated values	displayed, values are updated	
3.3	Empty Inventory Edit Page: when Add New Item is clicked	1	09/25/17	Ervin	opens empty inventory edit page	empty inventory page opened	
3.4	Inventory Detail Page: when item from list is double clicked	1	09/25/17	Ervin	opens detail page	opened detailed page	
3.5	Inventory Edit Page contain selected item values: when Edit button is clicked from Detail	1	09/26/17	Ervin	opens edit page with inventory	edit page with inventory	
3.6	Close the Detail Page: When Cancel button is pressed	1	09/26/17	Ervin	close detail page	detail page closed	fixed
3.7	Blank Edit Page: Saving a new Inventory opens a new blank edit page	1	09/26/17	Ervin	new edit page opens	new edit page opened	fixed
3.8	Vendors List: display list of vendors in display	1	09/26/17	Ervin	list of vendors in detail page	vendors in detail page displayed	
3.9	Inventory Edit Textfields works correctly	1	09/26/17	Ervin	values in textfields are saved	values saved	
4 Inventory DB							
4.0	Removed from Database: when Delete button in Detail Page is clicked	1	09/28/17	Ervin	removes item from database	item was removed	
4.1	Inventory Search	1	09/28/17	Ervin	searchInventory method works	search function worked	
4.2	Inventory Create	1	09/28/17	Ervin	addInventory method works	method worked	
4.3	Inventory Read	1	09/28/17	Ervin	getInventory works	method worked	
4.4	Inventory Update	1	09/28/17	Ervin	updateInventory works	method worked	
4.5	Inventory Delete	1	09/28/17	Ervin	deleteInventory works	method worked	
5 Order DB							
5.0	Connection to Order table in Database is working	1	09/28/17	Richard/Ervin	connection works	here is now connection	fixed
5.1	Order Create	1	09/28/17	Richard/Ervin	insertOrder works	insertOrder worked	
5.2	Order Read	1	09/28/17	Richard/Ervin	getOrders works	getOrder worked	
5.3	Order Update	1	09/28/17	Richard/Ervin	updateOrder works	updateOrder worked	
5.4	Order Delete	1	09/28/17	Richard/Ervin	deleteOrder works	deleteOrder worked	
5.5	Order Search	1	09/28/17	Richard/Ervin	searchOrder works	searchOrder worked	
6 Order GUI							
6.0	Orders List Page displays: When Orders menu item is clicked	1	09/28/17	Ervin	display list page for order	list didn't get displayed	fixed
6.1	Open Order Detail: when an item in the list is clicked twice	1	09/28/17	Ervin	display detail page	page didn't get displayed	fixed
6.2	List gets updated: When Delete button is pressed on order detail page	0	09/28/17	Ervin	update list without deleted order	didn't update	needs to check
6.3	Open Order Edit: when clicking on Edit Button on detail page	1	09/28/17	Ervin	open edit page for order	page didn't get displayed	fixed
Sprint 2 Total (50):		49					

Sprint 3

SPRINT 3							
7 App- Jar							
7.0	Application is exported into a jar	1	10/19/17	Ervin	jar file is created	expected	
7.1	Application jar file works	1	10/19/17	Ervin	jar opens the application	expected	
7.2	Database properties not included in jar file	1	10/19/17	Ervin	won't fine properties from jar	expected	still needs work
7.3	Database is accessible still when running application jar file	1	10/19/17	Ervin	database connection works	expected	
7.4	Installer file works	0	10/19/17	Ervin	installer file runs	no installer	Sprint 5
7.5	Files installed into C drive	0	10/19/17	Ervin	files are found in C drive	not saved	Sprint 5
8 Quote							
8.1.0	Quote objects gets created	1	10/19/17	Miguel	Quote objects are initialized	expected	
8.1.1	Quote database connection is working	1	10/19/17	Miguel	database access	expected	
8.1.2	Database: Get all the Quotes, into a List	1	10/19/17	Miguel	produce list of quotes	expected	
8.1.3	Database: insert a Quote	1	10/19/17	Miguel	quote inserted into database	expected	
8.1.4	Database: update a Quote	1	10/19/17	Miguel	quote updated in database	expected	
8.1.5	Database: delete a Quote	1	10/19/17	Miguel	quote deleted from database	expected	
8.1.6	Database: search for a Quote	1	10/19/17	Miguel	quotes searchable	expected	
8.1.7	Correct Quote data are added into Database	1	10/19/17	Miguel	database quote fields have correct values	expected	
8.2.0	GUI: List page displays	1	10/19/17	Miguel	List displays on center	expected	
8.2.1	GUI: Quotes displays into list	1	10/19/17	Miguel	List have quotes	expected	
8.2.2	GUI: Edit item page displays	1	10/19/17	Miguel	Edit page displays on right	expected	
8.2.3	GUI: Quote Detail Page displays	1	10/19/17	Miguel	Detail page displays on right	expected	
8.2.4	GUI: Quote Edit Page displays Vaues of Quote to edit	1	10/19/17	Miguel	Quote Edit page have values	expected	
8.2.5	GUI: Detail Page components works	1	10/19/17	Miguel	Detail Page buttons works	expected	
8.2.6	GUI: Edit Page components works	1	10/19/17	Miguel	Edit page fields and buttons works	expected	
8.2.7	GUI: Inventory category buttons works	1	10/19/17	Miguel	Inventory category works	expected	
8.2.8	GUI: List displays items that belongs to chosen category	1	10/19/17	Miguel	Searched category display items	expected	
8.3.0	Items are being added to Quote	1	10/19/17	Miguel	Quotes list of items gets populated	expected	
8.3.1	Selling price value of the Inventory are being added for Quote	0	10/19/17	Miguel	Sums up the values of the inventory	incorrect output	need to fix
8.3.2	Additional charges are being added	0	10/19/17	Miguel	Additional charges adds correctly to quote	not implemented	need to implement
9 Quote - Prod.							
9.1.0	Items being added to Product correctly	1	10/19/17	Miguel	Can initialize Report objects	expected	
9.1.1	Adding Product to Quote works	1	10/19/17	Miguel	Product Added to Quote	expected	
9.1.2	Deleting an Item in Product works	1	10/19/17	Miguel	Deletes Inventory Item in Product	expected	
9.1.3	Deleting a Quote deletes product associated with it	1	10/19/17	Miguel	Delete Quote and Product in DB	expected	
9.1.4	Saving a Quote should save Order or create new Order	1	10/19/17	Miguel	Creates Record, Update/Insert Order in DB	expected	
9.1.5	Deleting Order should delete Quote associated with it	1	10/19/17	Miguel	Detes Order and Quote in DB	expected	
9.1.6	Creating an Order creates a Quote with it	0	10/19/17	Miguel	Creates Order, Creates Quote id:0	doesn't create quote	need to fix
10.1 Reports							
10.1.0	Inventory Report File is named either as "Inventory-Date" or "TextFieldValue"	1	10/19/17	Ervin	File's name should be "InputString"	expected	
10.1.1	Inventory Report Contains correct Inventory Records	1	10/19/17	Richard	Inventory Report matches DB Records	expected	
10.1.2	Reports Export Page loads	1	10/19/17	Ervin	Report Export Page in Right Pane	expected	
10.1.3	Report Export Controller is getting assigned correctly	1	10/19/17	Ervin	ReportExportController assigned	expected	
10.1.4	Report ChoiceBox gets Initialized with 3 different Report Types	1	10/19/17	Ervin	Inventory, Quote, Blueprint Report	expected	
10.1.5	ChoiceBox shows String representation of the Report Types	1	10/19/17	Ervin	Should be in String, no enum	expected	
10.1.6	User able to type into File Name TextField	1	10/19/17	Ervin	Text being typed appears	expected	
10.1.7	Correct Report Type is being Produced	1	10/19/17	Ervin	ChoiceBox item matches produced report	expected	
10.1.8	Inventory Report has correct formats	1	10/19/17	Ervin	Follows Concept	expected	
10.1.9	Blueprint Report has correct format	0	10/19/17	Ervin	Follows Concept	no blueprint report	not implemented
10.1.10	Quote Report has correct format	0	10/19/17	Ervin	Follows Concept	incorrect format	not implemented
10.1.11	Blueprint Report display Blueprint	0	10/19/17	Ervin	Displays Image of the Blueprint	no blueprint report	not implemented
10.1.12	Quote Report has all correct fields	1	10/19/17	Ervin	Should Match the Quote	expected	
10.1.13	Product Database connection is working	1	10/19/17	Ervin	database connection	expected	
10.1.14	Correct Product values are inserted into Database	1	10/19/17	Ervin	Product fields in database have correct value	expected	
10.1.15	Display Unfinished Orders Page	1	10/19/17	Ervin	Gets a list of products	expected	
10.2 Launcher							
10.2.0	Launcher Opens/Works	1	10/19/17	Ervin	Product inserted into database	expected	
10.2.1	Launcher Progress Bar Shows	1	10/19/17	Ervin	Product updated in database	expected	
10.2.2	Launch button launches the DPM Application	1	10/19/17	Ervin	Product deletes in database	expected	
10.2.3	DPM Application runs and looks the same	1	10/19/17	Ervin	Product searchable in database	expected	
Sprint 3 Total (53):		45					

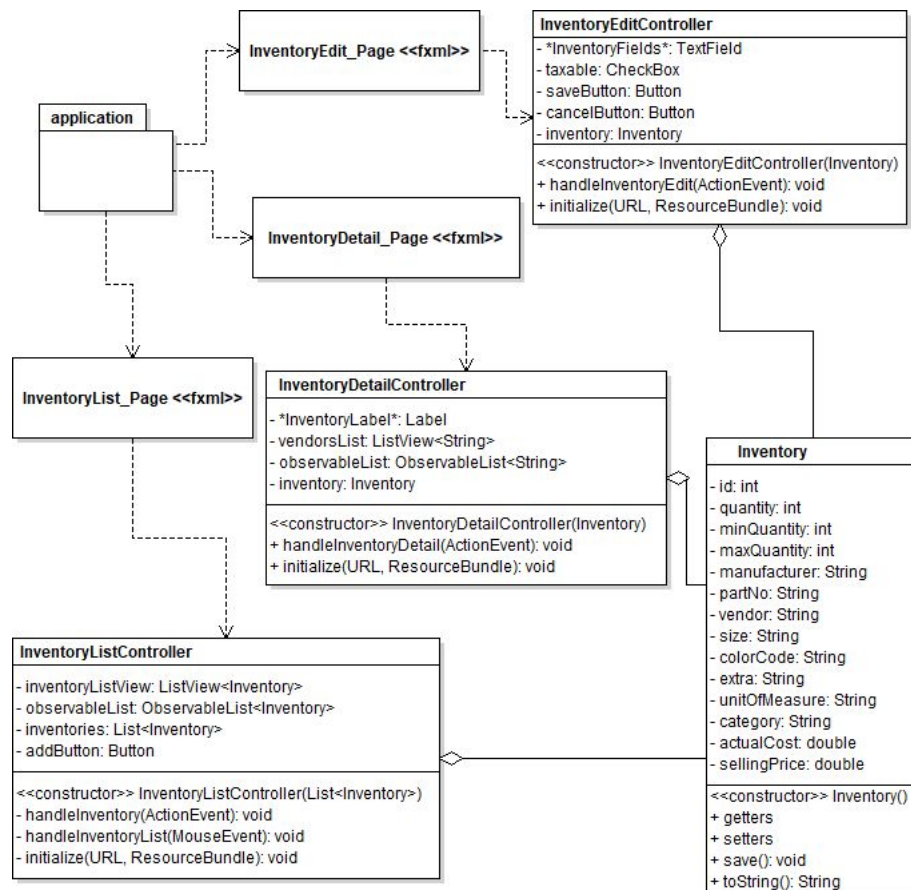
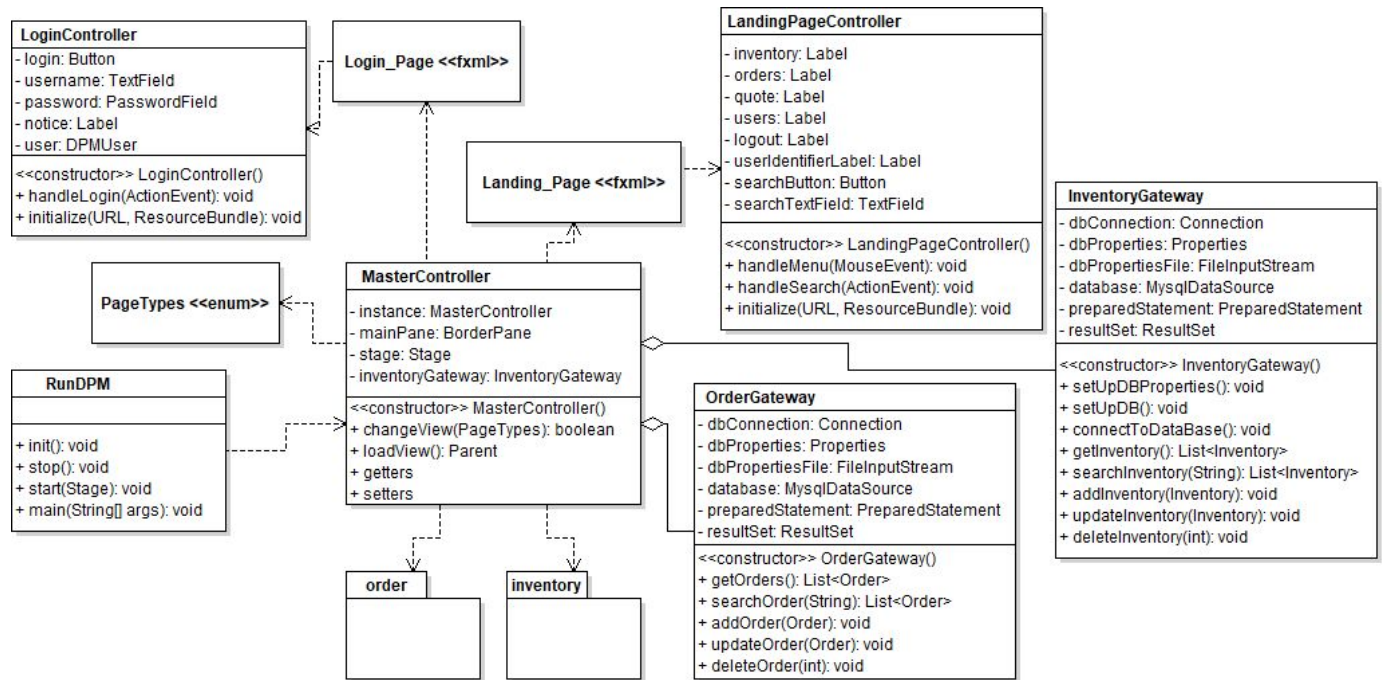
Sprint 4

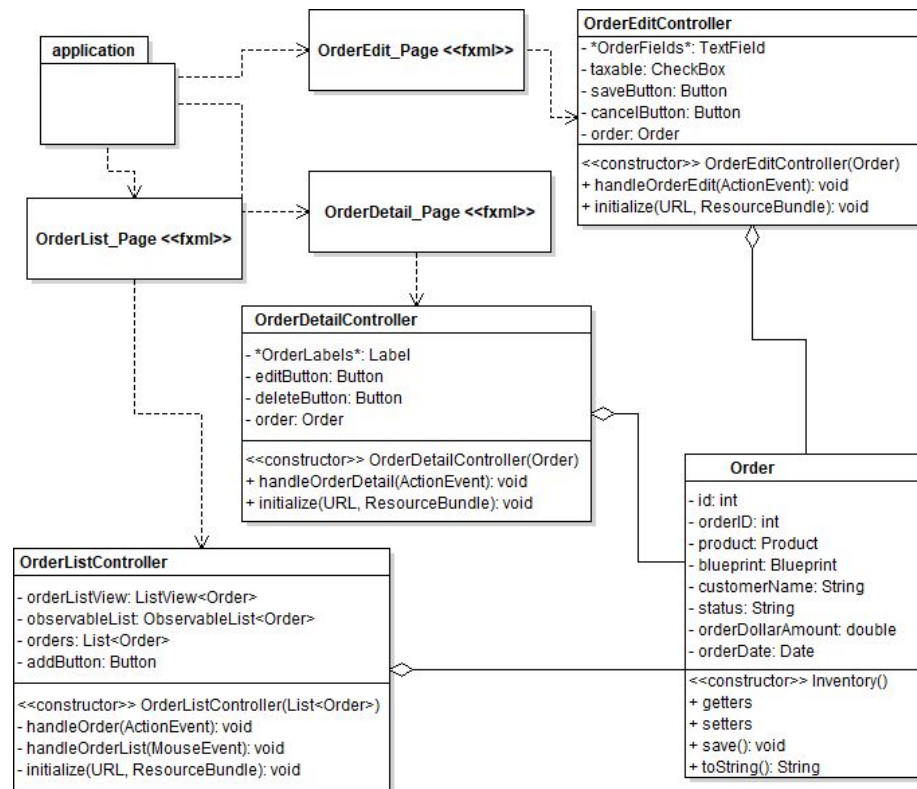
SPRINT 4							
11 Refactoring							
11.1	Verify login works after refactoring code	1	11/09/17	Stefan	Can still login	expected	
11.2	Inventory GUI works after refactoring code	1	11/09/17	Stefan	Page still works	expected	
11.3	Order GUI works after refactoring code	1	11/09/17	Stefan	Order page still works	expected	
11.4	Quote GUI works after refactoring code	1	11/09/17	Stefan	Quote page still works	expected	
11.5	Reports GUI works after refactoring code	1	11/09/17	Stefan	Can still make reports	expected	
11.6	Users GUI works after refactoring code	1	11/09/17	Stefan	Shows all users	expected	
12 Restrictions							
12.1.1	User Tab appears for admin	1	11/08/17	Ervin/Stefan	This tab only appears for admin	expected	
12.1.2	User Tab does not appear for Sales	1	11/08/17	Ervin/Stefan	Tab should not appear	expected	
12.1.3	User Tab does not appear for Accounting	1	11/08/17	Ervin/Stefan	Tab should not appear	expected	
12.1.4	User Tab does not appear for Purchasing	1	11/08/17	Ervin/Stefan	Tab should not appear	expected	
12.1.5	User Tab does not appear for Engineer	1	11/08/17	Ervin/Stefan	Tab should not appear	expected	
12.1.6	User Tab does not appear for InventoryManager	1	11/08/17	Ervin/Stefan	Tab should not appear	expected	
12.2.1	If purchasing, create/Edit button in Inventory Page is visible	1	11/08/17	Ervin/Stefan	Page should appear for Purchasing	expected	
12.2.2	If InventoryManager, create/Edit button in Inventory Page is visible	1	11/08/17	Ervin/Stefan	Page should appear for InventoryManager	expected	
12.2.3	If accounting, create/Edit button in Inventory Page NOT visible	1	11/08/17	Ervin/Stefan	Page should not appear	expected	
12.2.4	If Sales create/Edit button in Inventory Page NOT visible	1	11/08/17	Ervin/Stefan	Page should not appear	expected	
12.2.5	If Engineer, create/Edit button in Inventory Page NOT visible	1	11/08/17	Ervin/Stefan	Page should not appear	expected	
12.2.6	If not Admin, hide delete button	1	11/08/17	Ervin/Stefan	Should only be visible to Admin	expected	
12.3.1	Order Tab, if Sales show order list	1	11/08/17	Ervin/Stefan	Order list should be visible to Sales	expected	
12.3.2	Order Tab, if Accounting show order list	1	11/08/17	Ervin/Stefan	Order list should be visible to Accounting	expected	
12.3.3	Order Tab, if Purchasing show order list	1	11/08/17	Ervin/Stefan	Order list should be visible to Purchasing	expected	
12.3.4	Order Tab, if Engineer show order list	1	11/08/17	Ervin/Stefan	Order list should be visible to Engineer	expected	
12.3.5	Order Tab, if Sales show order/Edit button	1	11/08/17	Ervin/Stefan	Order/Edit button visible to Sales	expected	
12.4.1	Quote Tab, if Sales open quotes tab/unfinished orders page	1	11/08/17	Ervin/Stefan	Quotes tab visible	expected	
12.4.2	Quote Tab, if Engineer show error	1	11/08/17	Ervin/Stefan	Show Blueprints button if Sales	expected	
12.4.3	Quote Tab, if InventoryManager show error	1	11/08/17	Ervin/Stefan	Should display error message	expected	
12.4.4	Quote Tab, is Accounting show error	1	11/08/17	Ervin/Stefan	Should display error message	expected	
12.4.5	Quote Tab, is Purchasing show error	1	11/08/17	Ervin/Stefan	Should display error message	expected	
12.5.1	Reports Tab, if Purchasing display inventory report	1	11/08/17	Ervin/Stefan	Visible to Purchasing	expected	
12.5.2	Reports Tab, if InventoryManager display inventory report	1	11/08/17	Ervin/Stefan	Visible to InventoryManager	expected	
12.5.3	Reports Tab, if Sales on inventory report page display error	1	11/08/17	Ervin/Stefan	Should display error message	expected	
12.5.4	Reports Tab, if Engineer on inventory report page display error	1	11/08/17	Ervin/Stefan	Should display error message	expected	
12.5.5	Reports Tab, if Accounting on inventory report page display error	1	11/09/17	Ervin/Stefan	Should display error message	expected	
12.5.6	Report Tab, if Sales display Quote report	0	11/09/17	Ervin/Stefan	Visible to Sales	not implemented	
12.5.7	Report Tab, if Engineer display Quote report	0	11/09/17	Ervin/Stefan	Visible to Engineer	not implemented	
12.5.8	Report Tab, if Accounting in Quote report area display error	0	11/09/17	Ervin/Stefan	Should display error message	not implemented	
12.5.9	Report Tab, if InventoryManager in Quote report area display error	0	11/09/17	Ervin/Stefan	Should display error message	not implemented	
12.5.10	Report Tab, if Purchasing in Quote report area display error	0	11/09/17	Ervin/Stefan	Should display error message	not implemented	
12.5.11	Report Tab, if Sales display Blueprint Report	0	11/09/17	Ervin/Stefan	Show Blueprint report to Sales	not implemented	
12.5.12	Report Tab, if Engineer display Blueprint Report	0	11/09/17	Ervin/Stefan	Show Blueprint report to Engineer	not implemented	
12.5.13	Report Tab, if Accounting in Blueprint Report area display error	0	11/09/17	Ervin/Stefan	Should display error message	not implemented	
12.5.14	Report Tab, if InventoryManager in Blueprint Report area display error	0	11/09/17	Ervin/Stefan	Should display error message	not implemented	
12.5.15	Report Tab, if Purchasing in Blueprint Report area display error	0	11/09/17	Ervin/Stefan	Should display error message	not implemented	
13 Database							
13.1.1	After Refactoring: DB Connection can still be established	1	11/09/17	Ervin	Connection to database works	expected	
13.1.2	After Refactoring: All sub gateways still work	1	11/09/17	Ervin	Backend still works	expected	
14 Blueprint							
14.1.1	Blueprint Center Page loads opens	1	11/09/17	Ervin	GUI aspect functions	expected	
14.1.2	Blueprint Right Page loads opens	1	11/09/17	Ervin	GUI aspect functions	expected	
14.1.3	Blueprint Center Page fields gets populated	1	11/09/17	Ervin	Fields populated	expected	
14.1.4	Blueprint Right Page gets populated	1	11/09/17	Ervin	GUI aspect functions	expected	
14.1.5	Blueprint Center Page Save button works	1	11/09/17	Ervin	GUI aspect functions	expected	
14.1.6	Blueprint Center Page Create Report button works	0	11/09/17	Ervin	GUI aspect functions	not implemented	
Sprint 4 Total (51):		40					

Sprint 5

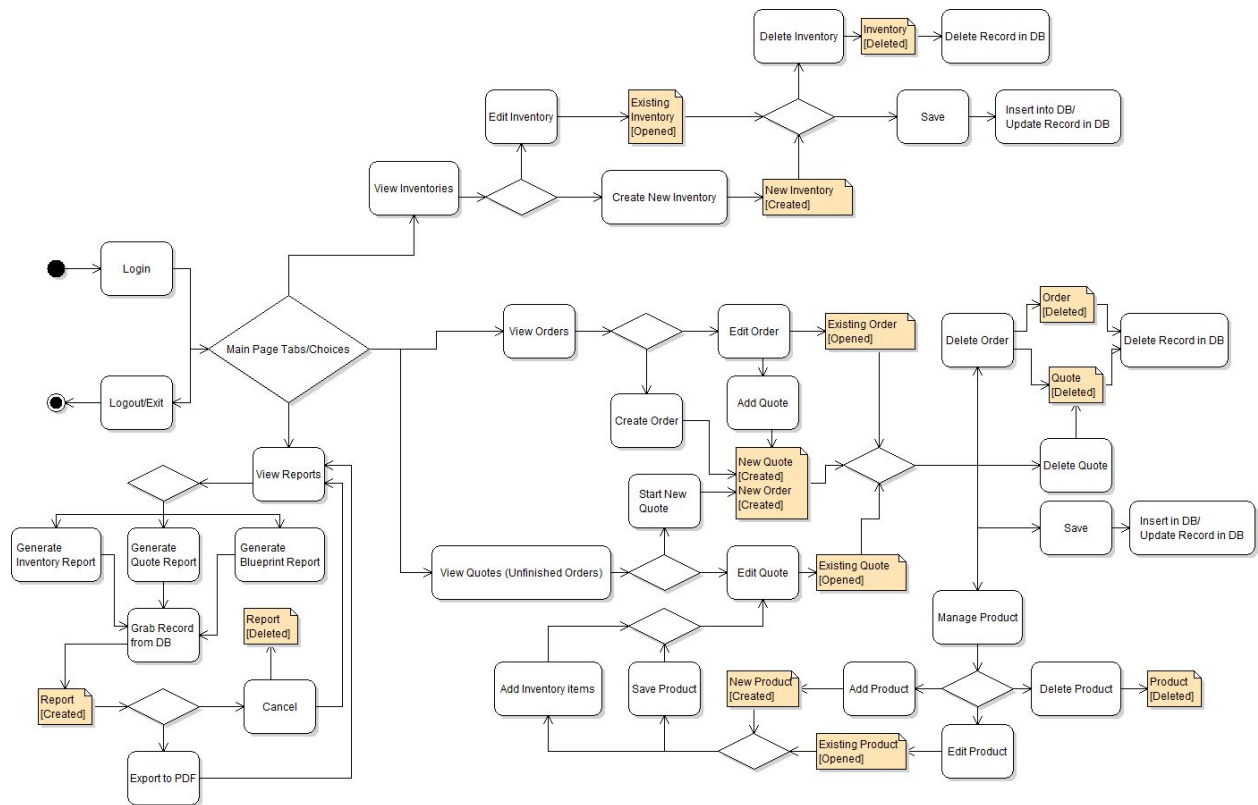
Sprint 5						
15 Validators						
15.1.1	Inventory: minQuantity text field validator	1	12/10/17	Stefan	only allows digits	expected
15.1.2	Inventory: maxQuantity text field validator	1	12/10/17	Stefan	only allows digits	expected
15.1.3	Inventory: quantity text field validator	1	12/10/17	Stefan	only allows digits	expected
15.1.4	Inventory: itemNumber text field validator	1	12/10/17	Stefan	allows words only	expected
15.1.5	Inventory: manufacturer text field validator	1	12/10/17	Stefan	allows words only	expected
15.1.6	Inventory: partNumber text field validator	1	12/10/17	Stefan	allows words only	expected
15.1.7	Inventory: colorCode text field validator	1	12/10/17	Stefan	allows words only	expected
15.1.8	Inventory: sizes text field validator	1	12/10/17	Stefan	allows words, dashes, period, ', "	expected
15.1.9	Inventory: unitOfMeasure text field validator	1	12/10/17	Stefan	allows characters, dashes, period, ', "	expected
15.1.10	Inventory: category text field validator	1	12/10/17	Stefan	allows words only	expected
15.1.11	Inventory: accountingCode text field validator	1	12/10/17	Stefan	allows words only	expected
15.1.12	Inventory: actualCost text field validator	1	12/10/17	Stefan	allows digits, \$, -, ', "	expected
15.1.13	Inventory: sellingPrice text field validator	1	12/10/17	Stefan	allows digits, \$, -, ', "	expected
15.2.1	Order: customerName text field validator	1	12/10/17	Stefan	allows characters only	expected
15.2.2	Order: status text field validator	1	12/10/17	Stefan	allows characters only	expected
15.2.3	Order: customerPurchaseOrderNumber text field validator	1	12/10/17	Stefan	allows words only	expected
15.2.4	Order: productCode text field validator	1	12/10/17	Stefan	allows words only	expected
15.2.5	Order: blueprintNumber text field validator	1	12/10/17	Stefan	allows digits only	expected
15.2.6	Order: quoteNumber text field validator	1	12/10/17	Stefan	allows words only	expected
15.2.7	Order: actualCost text field validator	1	12/10/17	Stefan	allows digits, \$, -, ', "	expected
15.3.1	Quote: customerName text field validator	1	12/10/17	Stefan	allows characters only	expected
15.3.2	Quote: quoteStatus text field validator	1	12/10/17	Stefan	allows characters only	expected
15.3.3	Quote: purchaseOrder text field validator	1	12/10/17	Stefan	allows words only	expected
15.3.4	Quote: orderDate text field validator	1	12/10/17	Stefan	allows characters, -, ', ', "	expected
15.4.2	Product: productNumber text field validator	1	12/10/17	Stefan	allows only words	expected
16 ListView						
16.1.1	Change Inventory ListView to Table	1	12/10/17	Stefan	Everything still works after conversion	expected
16.1.2	Change Order ListView to Table	1	12/10/17	Stefan	Everything still works after conversion	expected
16.1.3	Change Quote ListView to Table	1	12/10/17	Stefan	Everything still works after conversion	expected
16.1.4	Change User ListView to Table	1	12/10/17	Stefan	Everything still works after conversion	expected
16.1.5	Change Product ListView to Table	1	12/10/17	Stefan	Everything still works after conversion	expected
17 Misc. GUI						
17.1.1	User Management Page, frontend	1	12/11/17	Stefan	Displays page	expected
17.1.2	Finish Report Page/GUI	1	12/11/17	Stefan	Displays page	expected
17.1.3	Implement Search for Inventory, Blueprint, Quote, & Report	1	12/11/17	Stefan	Component works	expected
17.1.4	Implement Create Blueprint	1	12/11/17	Stefan	Button creates Blueprint	expected
17.1.5	Open Quote Button in Order Page	1	12/11/17	Stefan	Button works	expected
17.1.6	Delete Confirmation Dialog	1	12/11/17	Stefan	Alert appears	expected
17.1.7	Save Confirmation Dialog	1	12/11/17	Stefan	Alert appears	expected
17.1.8	Remove Product Tab, place into Inventory	1	12/11/17	Stefan	Component still works after migration	expected
17.1.9	Add Back/Previous Button	1	12/11/17	Stefan	Goes back to previous page	expected
17.1.10	Fix Quote Report	1	12/11/17	Stefan	Outputs in proper format	expected
8 Back Buttons						
18.1.1	Inventory page back button	0	12/11/17	Stefan	Takes you back to the previous page	doesn't work not implemented
18.1.2	Orders page back button	0	12/11/17	Stefan	Takes you back to the previous page	doesn't work not implemented
18.1.3	Quotes page back button	0	12/11/17	Stefan	Takes you back to the previous page	doesn't work not implemented
18.1.4	Products page back button	0	12/11/17	Stefan	Takes you back to the previous page	doesn't work not implemented
18.1.5	Reports page back button	0	12/11/17	Stefan	Takes you back to the previous page	doesn't work not implemented
18.1.6	Users page back button	0	12/11/17	Stefan	Takes you back to the previous page	doesn't work not implemented
19 Restrictions						
19.1.1	Report Tab, if Accounting in Quote report area display error	1	12/11/17	Stefan	Should display error message	expected
19.1.2	Report Tab, if InventoryManager in Quote report area display error	1	12/11/17	Stefan	Should display error message	expected
19.1.3	Report Tab, if Purchasing in Quote report area display error	1	12/11/17	Stefan	Should display error message	expected
19.1.4	Report Tab, if Sales display Blueprint Report	1	12/11/17	Stefan	Show Blueprint report to Sales	expected
19.1.5	Report Tab, if Engineer display Blueprint Report	1	12/11/17	Stefan	Show Blueprint report to Engineer	expected
19.1.6	Report Tab, if Accounting in Blueprint Report area display error	1	12/11/17	Stefan	Should display error message	expected
19.1.7	Report Tab, if InventoryManager in Blueprint Report area display error	1	12/11/17	Stefan	Should display error message	expected
19.1.8	Report Tab, if Purchasing in Blueprint Report area display error	1	12/11/17	Stefan	Should display error message	expected
Sprint 5 Total (54):		48				

UML Class Diagram

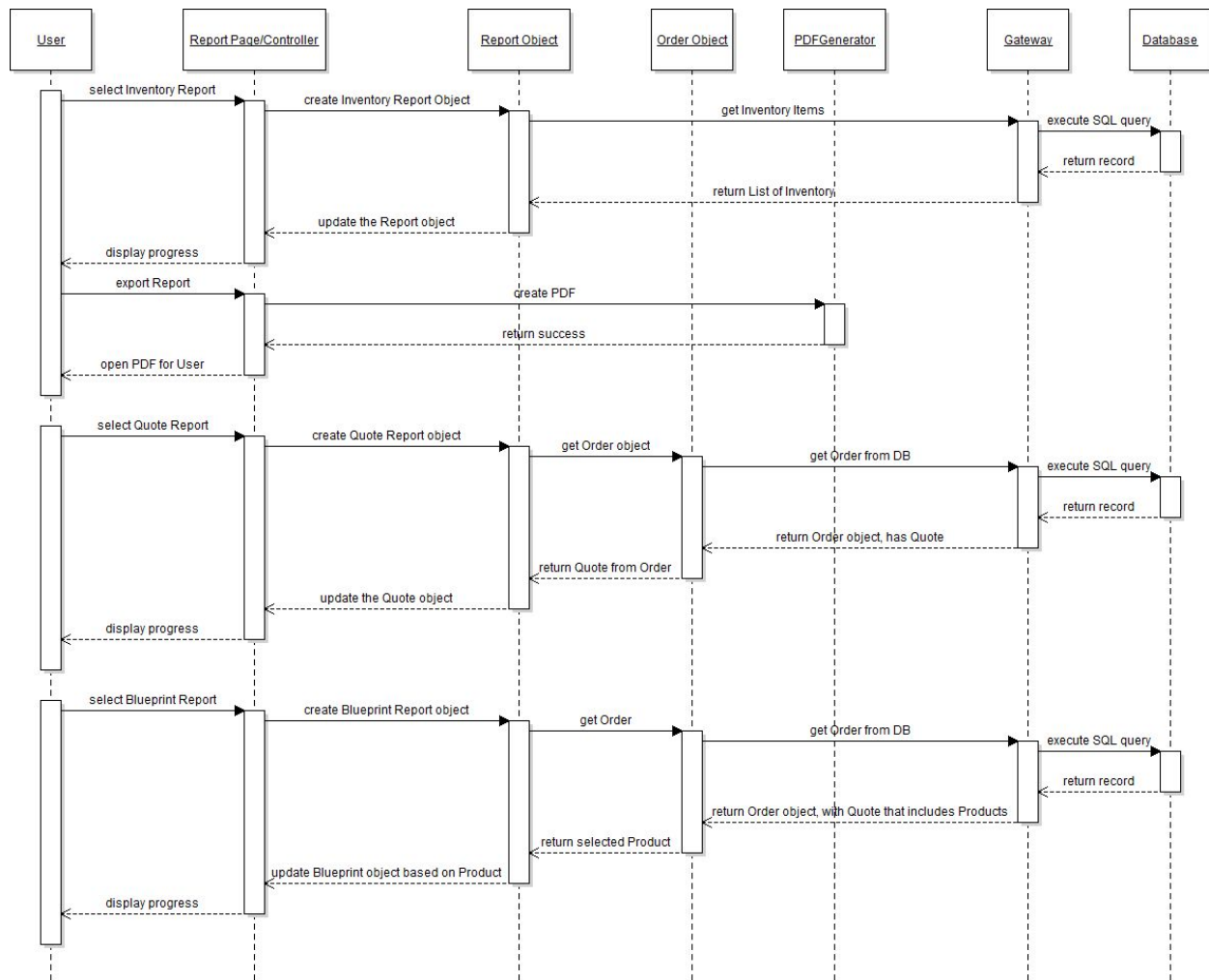




Activity Diagram



Sequence Diagram



Team Member Hours and Burndown Chart

Sprint 2

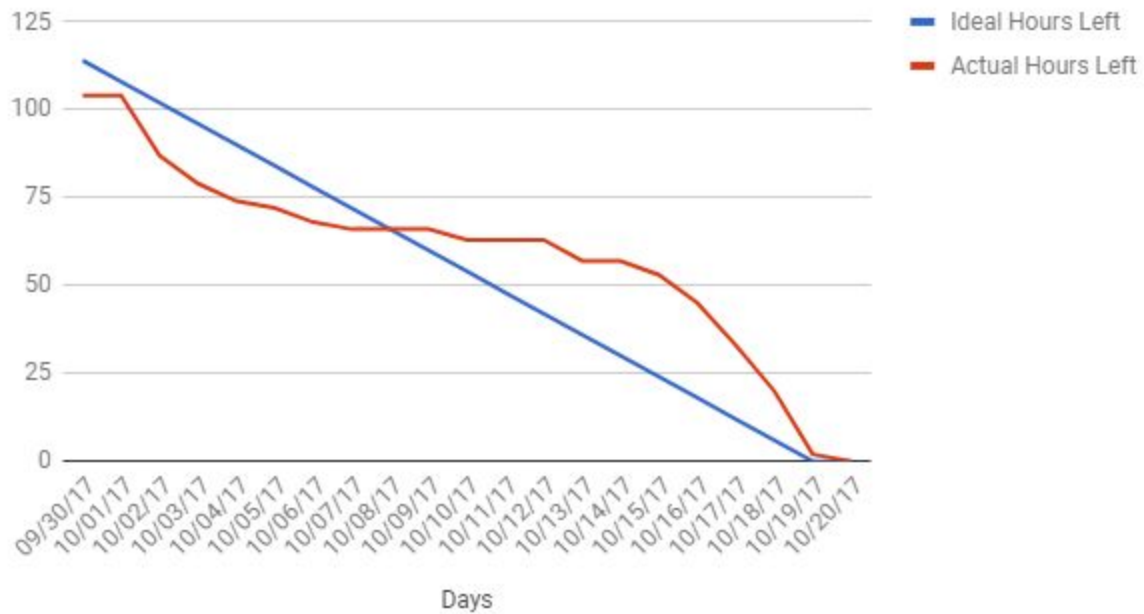
	Eric	Ervin	Miguel	Richard	Stefan
Attempted	16.2	27.7	20.7	24.7	14.7
Actual	6.7	27.7	20.7	24.7	5.2



Sprint 3

	Eric	Ervin	Miguel	Richard	Stefan
Attempted	19	30	29	20	12
Actual	22	31	30	26	12

Sprint 3 Burndown Chart



Sprint 4

	Eric	Ervin	Miguel	Richard	Stefan
Attempted	14	44.5	22	8	16
Actual	15	39	17.5	13	11

Sprint 4 Burndown Chart



Sprint 5

	Eric	Ervin	Miguel	Richard	Stefan
Attempted	12	21	32	22	25
Actual	15	19	25	31	24

Sprint 5 Burndown Chart

