

SCARLET BIRDS CONSULTING

ITERATION 5 DELIVERABLES

NOVEMBER 26, 2018

Andrew Froehlich

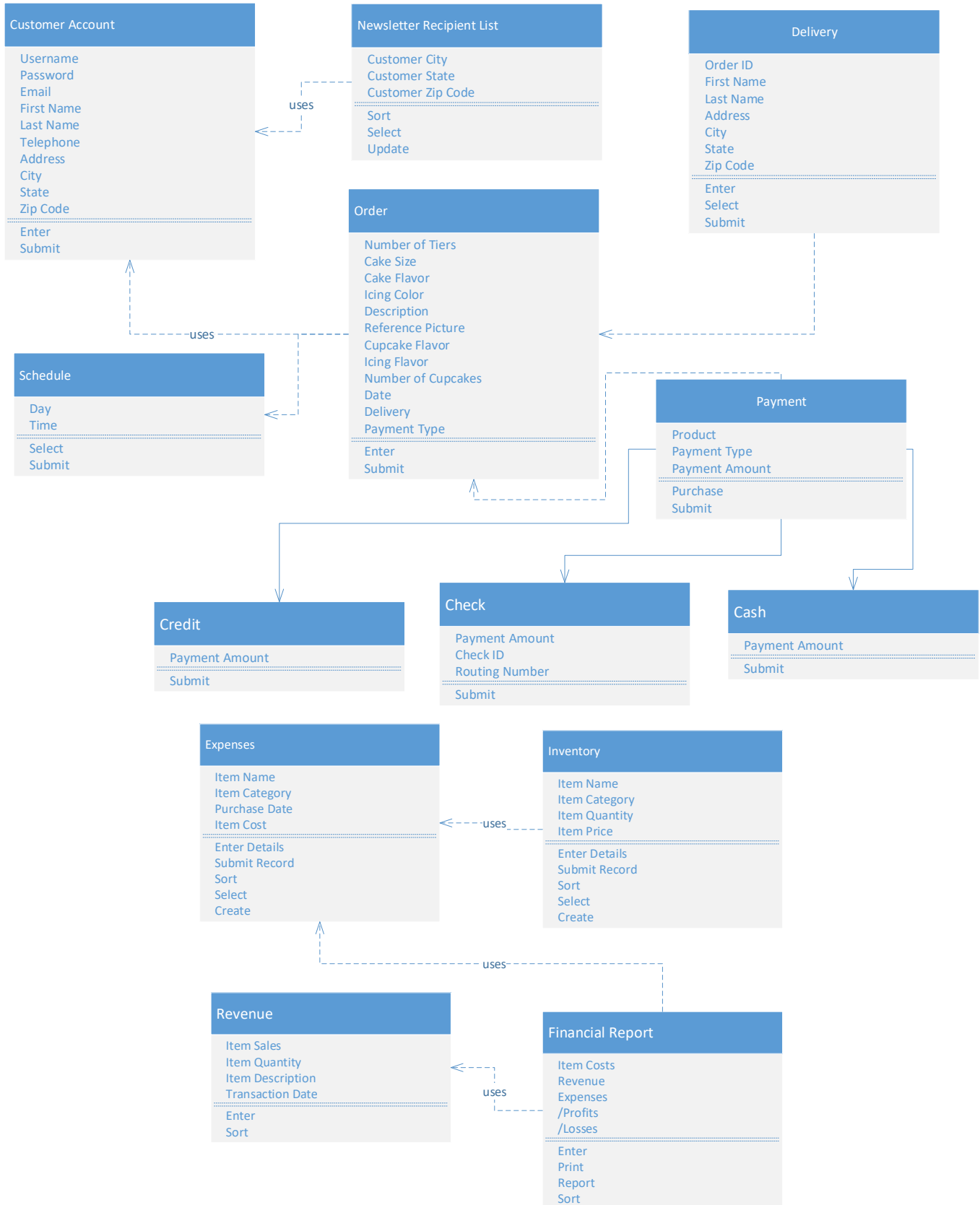
Kevin Jones

Cameron Little

Jayna Winchester

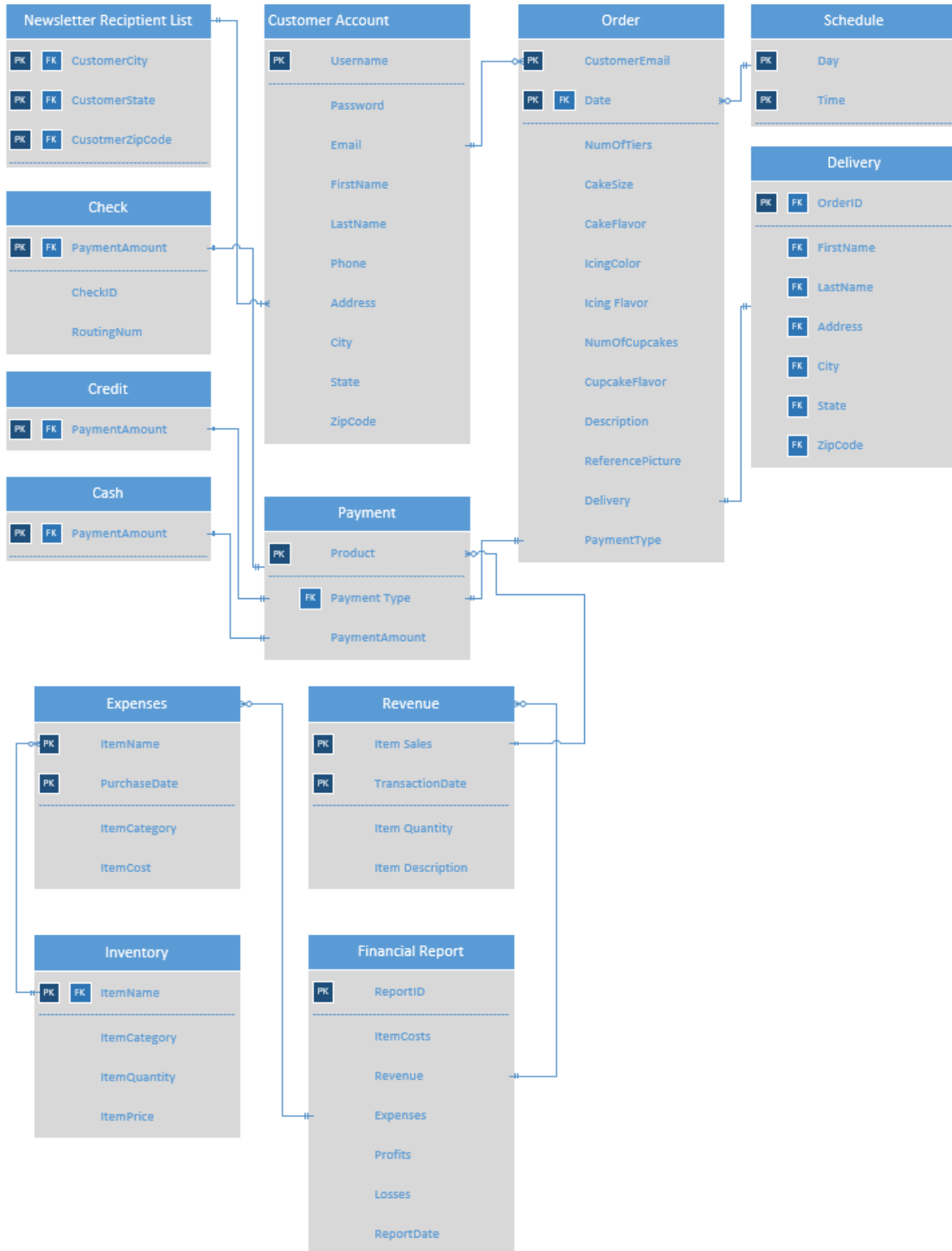
Class Diagram

This diagram is used to show the attributes of each part of the system. These were gathered through verb-noun analysis of the use cases.



ERD

This ERD (Entity Relationship Diagram) is a data modeling tool that graphically illustrates a system's entities and the relationships between those entities.



Data Dictionary

The data dictionary describes the limits of each attribute of the table. Each column of the table is an attribute and it has its own definition that describes the attributes: name, data type, size, key type, and description.

Schedule Table				
Field Name	Data Type	Field Size	Key Type	Description
Day	Date/Time	10	PK	Requested day for cake pickup/delivery
Time	Date/Time	10	PK	Requested time for cake pickup/delivery

Customer Account Table				
Field Name	Data Type	Field Size	Key Type	Description
Username	String	25	PK	Username chosen by the customer
Password	String	25		Password for the account, should not actually be stored as plain text string
Email	String	100		Email address of the customer
FirstName	String	25		Customer's first name
LastName	String	25		Customer's last name
Telephone	Int	11		Customer's telephone number
Address	String	150		Customer's address
City	String	50		Customer's city
State	String	25		Customer's state
ZipCode	Int	5		Customer's zip code

Order Table				
Field Name	Data Type	Field Size	Key Type	Description
Date	Date/Time	10	PK / FK	Date for pickup or delivery
Email	String	100	PK	email address of the customer
NumOfTiers	Int	5		Number of tiers for the cake
CakeSize	String	25		size of the cake
CakeFlavor	String	50		flavor of the cake
IcingColor	String	25		icing color on the cake
Description	String	255		description of the desired cake from the customer
ReferencePicture	LONGBLOB	255		reference image of the desired cake
CupcakeFlavor	String	50		flavor of the cupcake
IcingFlavor	String	50		desired icing flavor
NumOfCupcakes	Int	25		number of cupcakes requested by the customer
Delivery	Boolean	1		yes or no delivery option selected by customer
PaymentType	String	25		how the customer wants to pay

Data Dictionary

Delivery Table				
Field Name	Data Type	Field Size	Key Type	Description
OrderID	String	25	PK /FK	Username chosen by the customer
FirstName	String	25	FK	Customer's first name
LastName	String	25	FK	Customer's last name
Address	String	150	FK	Customer's address
City	String	50	FK	Customer's city
State	String	25	FK	Customer's state
ZipCode	Int	5	FK	Customer's zip code

Financial Report				
Field Name	Data Type	Field Size	Key Type	Description
ReportID	Int	4	PK	The version of the report and it's a primary key
Item Cost	Int	25		The total costs of items
Revenue	Int	25		Revenue report
Expenses	Int	25		Total Expenses
Profits	Int	15		Track profits
Losses	Int	15		Track losses
ReportDate	Date	10		The date of the report

Revenue				
Field Name	Data Type	Field Size	Key Type	Description
ItemSales	Int	50	PK	The total item sales
TransactionDate	Date	10	PK	The date of which transaction took place
ItemDescription	Int	255		The description of item sold
ItemQuantity	Int	10		Total of items sold

Newsletter Recipient List				
Field Name	Data Type	Field Size	Key Type	Description
CustomerCity	String	50	PK / FK	Customer's city
CustomerState	String	25	PK /FK	Customer's state
CustomerZipCode	Int	5	PK /FK	Customer's zip code

Data Dictionary

Expenses				
Field Name	Data Type	Field Size	Key Type	Description
ItemName	String	25	PK	Name of the item bought
PurchaseDate	Date/Time	10	PK	Data item was bought
ItemCategory	String	10		Category of item
ItemCost	Decimal	10		The cost of the item

Inventory				
Field Name	Data Type	Field Size	Key Type	Description
ItemName	String	25	PK /FK	Item name from expenses as added to inventory
ItemCategory	String	10	FK	Category of item
ItemQuantity	Int	100		Amount of items in inventory
ItemPrice	Decimal	10		The price on 1 of the items for reference

Payment				
Field Name	Data Type	Field Size	Key Type	Description
Product	String	20	PK	What type of product the customer bought
PaymentType	String	10	FK	How the customer is going to pay
PaymentAmount	Int	10		How much the customer owes

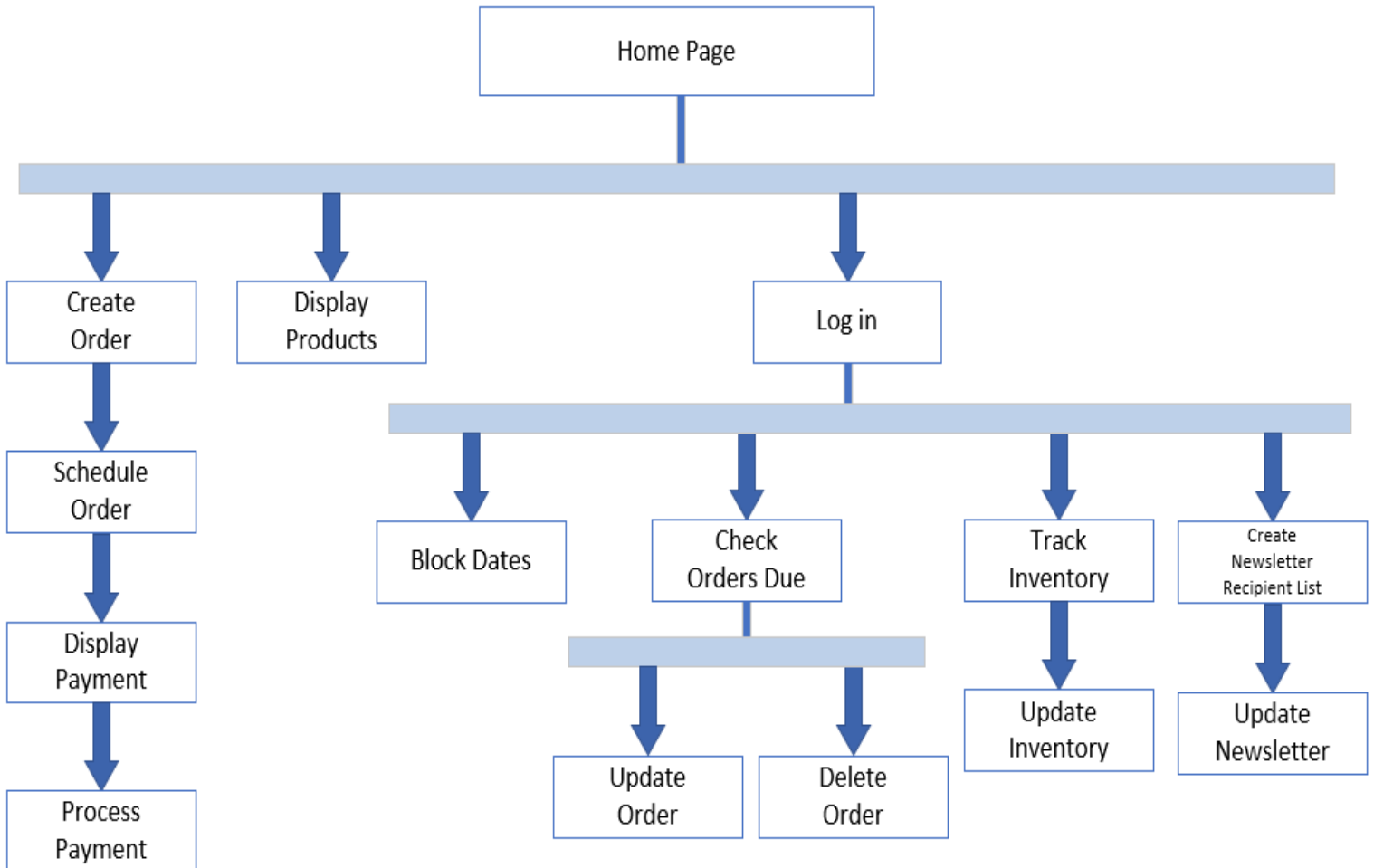
Check				
Field Name	Data Type	Field Size	Key Type	Description
PaymentAmount	Int	6	PK / FK	How much the customer owes
CheckID	Int	15		The ID number of the check that the customer uses
RoutingNumber	Int	15		The routing number of the check that the customer uses

Credit				
Field Name	Data Type	Field Size	Key Type	Description
PaymentAmount	Int	6	PK / FK	How much the customer owes

Cash				
Field Name	Data Type	Field Size	Key Type	Description
PaymentAmount	Int	6	PK / FK	How much the customer owes

Window Navigation Diagram

The window navigation diagram shows the flow of user interaction on the site. It depicts how a user moves from one page to another on the website.



Sweet Karoline's Cakes System

Scarlett Birds Consulting
Andrew Froehlich Kevin James

Project Start Date: 10/15/2018

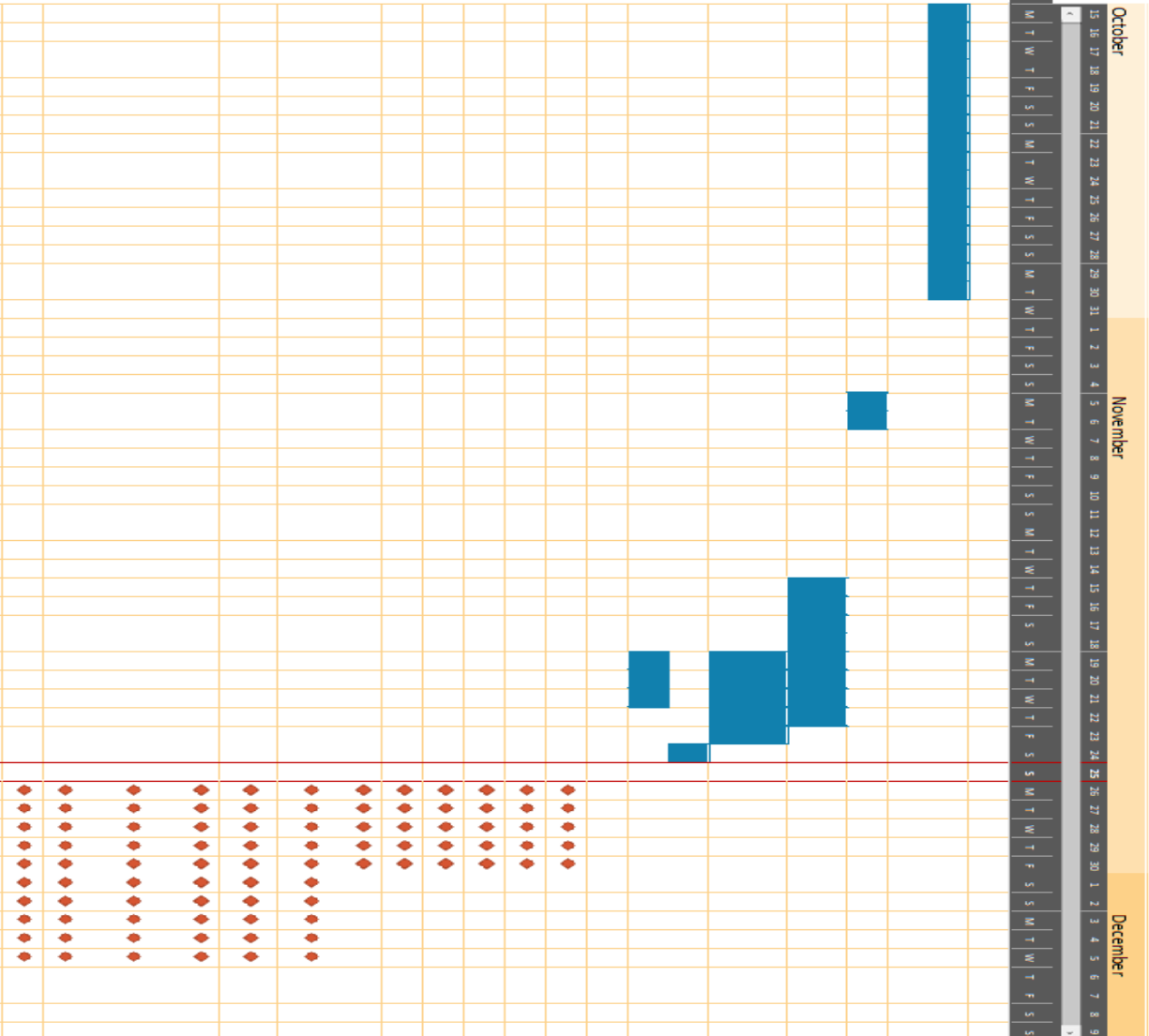
Scrolling Increment: 0

Legend:

- On Track
- Low Risk
- Med Risk
- High Risk
- Unassigned

Milestone/Description	Category	Assigned To	Progress	Start	No. Days
-----------------------	----------	-------------	----------	-------	----------

Assignment 3					
Assignment 3	On Track	AI	100%	10/15/2018	15
Iteration 5					
Class Diagram	On Track	Jayna Winchester	100%	11/9/2018	2
Database Design and Data Definitions	On Track	AI	100%	11/15/2018	8
User interface navigational diagram and screen layouts	On Track	Cameron Little	100%	11/19/2018	5
Gantt Chart	On Track	Andrew Froehlich	100%	11/24/2018	1
User Interface Prototype	On Track	Cameron Little	100%	11/19/2018	3
Iteration Spec					
System Review	Goal	AI	100%	11/26/2018	5
User Case Diagrams	Goal	AI	100%	11/26/2018	5
Trace Matrix	Goal	AI	100%	11/26/2018	5
User Cases	Goal	AI	100%	11/26/2018	5
Sequence Diagrams	Goal	AI	80%	11/26/2018	5
Class Diagrams	Goal	AI	100%	11/26/2018	5
Database Design and Data Definitions	Goal	AI	90%	11/26/2018	10
Navigational Diagrams and Screen Layouts	Goal	AI	90%	11/26/2018	10
Architecture Design	Goal	AI	0%	11/26/2018	10
Product/Security Concerns and Non-functional Requirements	Goal	AI	0%	11/26/2018	10
Gantt Chart	Goal	Andrew Froehlich	50%	11/26/2018	10
Education Phase Prototype	Goal	AI	0%	11/26/2018	10



Prototypes

Create Order

This prototype shows what the ordering module might look like on the website

Contact Information

Contact Information

Cake Order Form

Number of Tiers

Cake Size

Cake Flavor

Icing Color

Add a Picture

Schedule Order

Cupcake Order Form

Cupcake Flavor

Icing Flavor

Icing Color



Number of Cupcakes

Add a Picture

Schedule Order


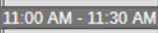

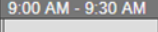

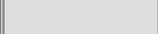
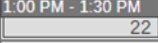

Schedule Order

This prototype shows what the scheduling module might look like on the website. Displays booked times and available times, allows you to select an available time.

 = booked time
 = available time

September 2018

Select Date/Time

Su	Mo	Tu	We	Th	Fr	Sa
						 1
						 11:00 AM - 11:30 AM
2	3	4	5	6	7	 8
						 9:00 AM - 9:30 AM
9	10	11	12	13	14	 15
						 1:00 PM - 1:30 PM
16	17	18	19	20	21	 22
						 29
23	24	25	26	27	28	
30						

Continue

Display Payment and Process Payment

Prototype of what the payment page on PayPal might look like. This is not on your website, but on PayPal's website.

<h3>Your Order Summary</h3>		Name on Card <input type="text"/>	
<u>Description</u>	<u>Amount</u>	Card Number <input type="text"/>	
Birthday Cake	\$50.00	CVV Code	Expiry Date
		<input type="text"/>	<input type="text"/>
<hr/>		Billing Address <input type="text"/>	
Item Total	\$50.00	City	State
Tax	\$5.00	<input type="text"/>	<input type="text"/>
		Zip Code	
		<input type="text"/>	
<hr/>		<input type="button" value="Review and Order"/>	
Total \$55.00			

Log in

Below is what you might see when logging in to the site.

Log in

[Forgot your password?](#)

If the user forgot their password a page with prototype below will pop up.

Forgot Your Password?

Below is the password reset form which the user can get to after clicking the link in their email.

Reset Your Password

Check Orders Due, Update Order, and Delete Order

This is what the list of orders due might look like. The user (Owner/Employee) can click on an order to show more information on the order, as seen below. This same module can be used to update an order

Order Type	Customer Name	Pickup Date
Cake	John Smith	11/04/2018
Cupcake	John Smith	11/07/2018
Cake	John Smith	11/08/2018

Below is what you would see if you click on an order in the list. From here you can edit what is needed to update the order.

Order for John Smith due on 11/04/2018

Order Type: Cake

Number of Tiers: 1


Cake Size: 18 x 24 (Full Sheet Cake)

Icing Color: White

Description:

Regular birthday cake with 4 roses.
Write "Happy Birthday John Smith" in red icing, please.

Reference Image



Track Inventory and Update Inventory

Prototype of the Inventory Dashboard module on the website. Quick display of the baking items you currently have in inventory with a "Total" column display the total dollar value of those items.

[Logout](#)

Date	Item Category	Item	Quantity	Price	Total

[Add Item](#)

[Print](#)

Adding Items to Inventory

A small form like this will pop up when you click the “Add Item” button on the Inventory Dashboard. Quickly add whatever item you may want into the inventory.


Item Name: <input type="text"/>
Item Category <input type="text"/>
Item Quantity <input type="text"/>
Item Price <input type="text"/>
<input type="submit" value="Submit"/>

Create Newsletter Recipient List

Prototype of the Customer Database Dashboard module of the website. Shows the customer information for those who have signed up.

[Logout](#)

Customer ID	First Name	Last Name	Telephone	Email Address	Address

 Sort & Filter