

ISDS 454-01

Group #1

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Event Ticket Purchasing Site

## **Introduction**

With the new system built, our ticketing event website will have a more efficient system that is able to process purchases and cancellations as well as viewing event information. This system report outlines the purpose, requirements for our system, use cases, data flow diagrams, logic entity relationship diagrams, and the user interface.

The requirements for our system define what the definitions and standards should be for our system will be as followed, but not limited to:

- Real time ticket availability and prices.
- Proper storage of customer information and purchase history.
- Generate reports such as for sales and revenue.

Through the use cases, the system is able to arrange the processes to align our requirements from creating an employee-generated report to purchasing a ticket. Each use case explains an interaction between the users (employee and user) and the system itself. From these use cases, data flow diagrams such as the context and level 0 diagram are able to depict the overall, general process of the ticket booking system. With each level 1 process diagram, it is shown an internal, in-depth direction of how each of these processes are made such as creating weekly sales reports and employees being able to manually change event details and pricing in accordance.

The logic entity relation diagrams help to show the system in its entirety alongside the needed entities for the business. It will create an established setting stone for the ticketing booking relational database from the relationships such as from user to their payment information. From the logic entity relation diagrams, a user interface is done to show the outline of how the system will work between the user navigating through the website and the machine itself once the system is fully operational.

## **Requirement Definitions**

### **Nonfunctional Requirements**

#### ***1. Operational***

1.1 The software requires Mac OS, IOS, Linux, Android, Windows, or Chrome and will only operate with capable operating systems.

1.2 The system will be able to operate the software on any computer with capable operating systems.

#### ***2. Performance***

2.1 The software should be capable of transferring data without long periods of lag.

2.2 The software will update itself to display accurate open ticket sales and pricing.

2.3 The software would require maintenance monthly.

2.4 The software is set up to run indefinitely.

2.5 The software will be available seven days a week and 24 hours a day unless it is undergoing system maintenance.

#### ***3. Security***

3.1 The software will only allow a user to log in with a username and a password.

3.2 The software will automatically log out after 30 minutes of inactivity.

3.3 The software will only allow 5 attempts of incorrect login entries before asking to change username and/or password.

3.4 Information will be encrypted if traveling over the network

#### ***4. Cultural and Political***

4.1 Personal information of customers is protected in compliance with the Data Protection act.

## **Functional Requirements**

### ***1. Purchase***

- 1.1 The system will allow the customer to choose specific tickets to purchase.
- 1.2 The system will verify and collect the customers payment information. The purchased tickets will be then sent to the customer after verification

### ***2. Employee Ticketing Management***

- 2.1 The software can automatically generate ticket rates based on availability, and the employee can also manually change prices.
- 2.2 The software won't allow cancellations 48 hours before the concert
- 2.3 The software will generate real time ticket availability.

### ***3. Customer Purchase History***

- 3.1 Display information based on the customer's purchase history
- 3.2 Customers are able to change purchase information such as requesting a refund.

### ***4. Customer Records Management***

- 4.1 The software will record the customer's first name, last name, email address, phone number, and address.
- 4.2 The software will indefinitely record ticket purchase and cancellation history.

### ***5. Data Report for Sales Management***

- 5.1 The software will generate reports to show statistics on sales for managers.
- 5.2 The software will generate reports on sales

### ***6. Data Report for Accounting Management***

- 6.1 The software will generate reports to show statistics on revenue and profits for accountants
- 6.2 The software will generate reports on revenue, cost, and net profits.

## Use Cases

<b>Use Case Name:</b> Purchasing Ticket(s)		<b>ID:</b> 1	<b>Priority:</b> High
<b>Actor:</b> Customer			
<b>Description:</b> This use case is used to describe how a customer would purchase a ticket or tickets			
<b>Trigger:</b> Type <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
<b>Preconditions:</b> <ol style="list-style-type: none"> <li>1. Tickets for the event must be for sale</li> <li>2. The website is accessible to the customer</li> </ol>			
<b>Normal Course:</b> <ol style="list-style-type: none"> <li>1.0 <ol style="list-style-type: none"> <li>1. Website is displayed to the customer</li> <li>2. Customer selects search bar and looks up the event name</li> <li>3. Website displays results based on search input</li> <li>4. Customer selects the event and chooses the number of tickets and adds it to the cart</li> <li>5. Customer selects the cart and begins the checkout process</li> <li>6. Website displayed checkout page</li> <li>7. Customer inputs payment information and confirms the purchase</li> <li>8. Website shows webpage confirming the purchase</li> <li>9. An email is sent to the customer with the ticket information</li> </ol> </li> </ol>			
<b>Alternative Courses:</b> <ol style="list-style-type: none"> <li>1.1 Customer selects event from home page and does not search for an event (Branch at step 2) <ol style="list-style-type: none"> <li>1. Customer selects the event from the home page</li> <li>2. Website displays the full event information</li> <li>3. Customer returns to normal course (Step 4)</li> </ol> </li> </ol>			
<b>Postconditions:</b> <ol style="list-style-type: none"> <li>1. The sale is logged</li> <li>2. Payment is received from credit card company</li> <li>3. Ticket(s) are removed from sales database</li> </ol>			
<b>Exceptions:</b> <p>E1: Ticket becomes unavailable</p> <ol style="list-style-type: none"> <li>1. After next click from user a web page is displayed stating the ticket(s) is not available</li> </ol> <p>E2: Payment does not work</p> <ol style="list-style-type: none"> <li>1. Webpage states the payment didn't work and ticket(s) was not purchased</li> </ol>			
<b>Summary Inputs</b>	<b>Source</b>	<b>Outputs</b>	<b>Destination</b>
Search Term User Selection Payment Information Payment Authentication	Customer Customer Customer Payment Clearing House	Event Details Payment Confirmation Email Ticket Information	Ticket Database Payment Clearing House Email Server

<b>Use Case Name:</b> Manually Changing Event & Ticket Information (price and availability)		<b>ID:</b> 2	<b>Priority:</b> High
<b>Actor:</b> Employee			
<b>Description:</b> This use case describes how employees can manually change or input event details & ticket information.			
<b>Trigger:</b> System finds and creates new event(s)(concert or sports). <b>Type</b> <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
<b>Preconditions:</b> <ol style="list-style-type: none"> <li>1. Employees must be able to log in to their account.</li> <li>2. Only accounts that are authorized may change/adjust ticket information.</li> <li>3. Event and ticket information (ticket price and availability) must exist in the database.</li> </ol>			
<b>Normal Course:</b> <p>1.0 Manually changing the price/availability for event(s).</p> <ol style="list-style-type: none"> <li>1. Employee logs in with their credentials to access system and data</li> <li>2. Employee searches for event(s) they want to view.</li> <li>3. The system will show the event and will allow for edits.</li> <li>4. Employee will make any necessary changes and verify everything is correct.</li> <li>5. The system will ask for a confirmation before completing changes.</li> <li>6. Employees will confirm, and the system will display the new details &amp; information for customers to purchase.</li> </ol>			
<b>Alternative Courses:</b> <p>1.1 System automatically finds and adjusts price/availability of event(s)</p> <ol style="list-style-type: none"> <li>1. System find/receives new and updated information about event and ticket information</li> <li>2. An email/notification is sent to a Manager regarding new price/availability and asks if it should adjust or update the current price/availability.</li> <li>3. Managers must log in to their account and verify themselves in order to accept request(s).</li> <li>4. Manager must confirm everything is correct and can accept the request.</li> <li>5. System will update and display new ticket information if the request is accepted.</li> </ol>			
<b>Postconditions:</b> <ol style="list-style-type: none"> <li>1. Any changes made will be saved and recorded.</li> <li>2. Customers will be able to see new and updated ticket price/availability.</li> </ol>			
<b>Exceptions:</b> <p><b>E1:</b> Ticket price is set to a fixed amount by event organizers and does not allow for price changes</p> <ol style="list-style-type: none"> <li>1. System will display message that states ticket price cannot be changed</li> <li>2. System will deny requests for changes and return back to normal course (step 3).</li> </ol>			
<b>Summary Inputs</b>	<b>Source</b>	<b>Outputs</b>	<b>Destination</b>
Employee ID/Password	Employee	Account Homepage	System
Event search	Employee	Event Details	System
Ticket Price & Ticket Availability	Employee	Confirmation Message	System
Event Details	Employee	Confirmation Message	System

<b>Use Case Name:</b> Viewing Customer Information and Purchase History		<b>ID:</b> 3	<b>Priority:</b> High
<b>Actor:</b> Customer			
<b>Description:</b> This use case describes when a customer requests to view the storage of their information and their purchase history.			
<b>Trigger:</b> Customer goes to "Your Account". <b>Type</b> <input checked="" type="checkbox"/> <b>External</b> <input type="checkbox"/> <b>Temporal</b>			
<b>Preconditions:</b> <ol style="list-style-type: none"> <li>Customer created an account.</li> <li>Customer verified their account.</li> <li>System self-updates.</li> </ol>			
<b>Normal Course:</b> <ol style="list-style-type: none"> <li>Customer logs into system with ID and password. <ol style="list-style-type: none"> <li>Customer goes to "Your Account".</li> <li>System will generate "Your Account" webpage.</li> <li>If Customer clicks on "Personal Information". <ol style="list-style-type: none"> <li>System prompts Customer to verify identity with password.</li> <li>System allows Customer to view "Personal information"</li> <li>System allows Customer to edit "Personal information" if requested.</li> <li>Customer clicks "Back to Your Account"</li> </ol> </li> <li>If Customer clicks on "Purchase History" <ol style="list-style-type: none"> <li>System prompts Customer to verify identity with password.</li> <li>System allows Customer to view "Purchase History" of tickets purchased with the account.</li> <li>Customer views location, price, method of purchase, and event.</li> <li>Customer clicks "Back to Your Account".</li> </ol> </li> </ol> </li> <li>Customer prompts system to log out.</li> </ol>			
<b>Alternative Courses:</b> <ol style="list-style-type: none"> <li>Customer cannot verify identity with password. <ol style="list-style-type: none"> <li>System will request 2-step verification process after 5 tries.</li> <li>Customer will have to confirm identity with email code or text code of their preference.</li> <li>System will prompt for the code to be sent.</li> <li>Customer types in confirmation code.</li> <li>System will prompt for password change.</li> <li>Customer inputs new password and confirms password.</li> <li>Customer presumes back to normal course at step 3.</li> </ol> </li> </ol>			
<b>Postconditions:</b> <ol style="list-style-type: none"> <li>If customer information is edited, a confirmation email/text will be sent to email/phone number on the account.</li> </ol>			
<b>Exceptions:</b> <p><b>E1:</b> Customer edits "Personal Information"</p> <ol style="list-style-type: none"> <li>System displays editable page of "Personal Information"</li> <li>Customer chooses what to edit.</li> <li>System will prompt to confirm changes.</li> <li>Customer confirms or cancels changes. <ol style="list-style-type: none"> <li>If customer cancels, step 1 presumes back.</li> <li>If customer confirms, system will presume back to "Personal Information" webpage.</li> </ol> </li> </ol>			
<b>Summary Inputs</b>	<b>Source</b>	<b>Outputs</b>	<b>Destination</b>
Customer ID/Password User Selection	Customer Customer	Account Confirmation Account Details	Account Homepage Personal Information/Purchase History

<b>Use Case Name:</b> Customers cancels or changes a purchased ticket		<b>ID:</b> 4	<b>Priority:</b> High
<b>Actor:</b> customer			
<b>Description:</b> This describes how a purchased ticket is canceled or changed.			
<b>Trigger:</b> Customers go on the website to cancel a ticket or change a purchased ticket. <b>Type</b> <input checked="" type="checkbox"/> <b>External</b> <input type="checkbox"/> <b>Temporal</b>			
<b>Preconditions:</b> <ol style="list-style-type: none"> <li>There must be a purchased ticket in the system.</li> <li>The information of the customer is in the system.</li> </ol>			
<b>Normal Course:</b> <ol style="list-style-type: none"> <li>Customer login to the system to verify their identification.</li> <li>Customer retrieved the ticket information from purchased history.</li> <li>Customer makes a desired action to cancel or change the purchased ticket. <ol style="list-style-type: none"> <li>For ticket cancellations – the customer must confirm to the system once again that they want to cancel the ticket.</li> <li>If 3.1 the ticket is within 48 hours of the concert, then the cancellation is invalid</li> <li>If the ticket is valid the system will cancel it.</li> <li>For changing the ticket – the customer must confirm to the system once again that they want to change the ticket.</li> <li>If 3.4 the ticket is within 48 hours of the concert, then the change is invalid.</li> <li>If the ticket is valid, they will go over the process of purchasing a ticket again, then the new ticket is formed.</li> </ol> </li> </ol>			
<b>Alternative Courses:</b> <ol style="list-style-type: none"> <li>Customer searches for the event to see their ticket.</li> <li>Customer decides to cancel or change the ticket.</li> <li>Customer go through the process (step 3)</li> </ol>			
<b>Postconditions:</b> <ol style="list-style-type: none"> <li>Action recorded</li> <li>Confirmation message sent to the customer</li> </ol>			
<b>Exceptions:</b> <b>E1:</b> Customer information is invalid (step 1) <ol style="list-style-type: none"> <li>System displays a message that the customer username/ password is incorrect.</li> <li>System asks the customer to re-enter their username/ password.</li> </ol>			
<b>Summary Inputs</b>	<b>Source</b>	<b>Outputs</b>	<b>Destination</b>
Customer ID/password Event search Ticket selection Ticket purchased	Customer Customer Customer Purchased history	Canceled ticket Confirmation message New ticket	System Customer System

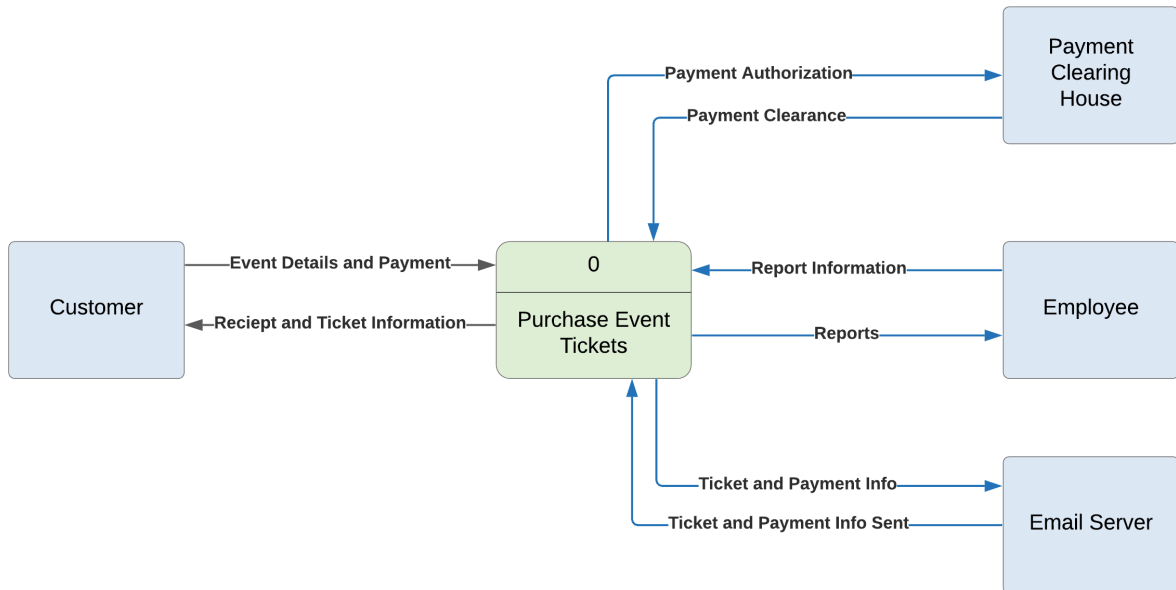


<b>Use Case Name:</b> Generating Sales Reports		<b>ID:</b> 5	<b>Priority:</b> High
<b>Actor:</b> Employee			
<b>Description:</b> This Use Case describes the process of creating weekly sales reports.			
<b>Trigger:</b> Employee generates a sales report for a manager or department. <b>Type</b> <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
<b>Preconditions:</b> <ol style="list-style-type: none"> <li>1. Employees must log into the system to see ticket sale data.</li> <li>2. There must be ticket purchases in the system.</li> </ol>			
<b>Normal Course:</b> <ol style="list-style-type: none"> <li>1.0 Requesting Sales information from the system. <ol style="list-style-type: none"> <li>1. Employee logs in with employee credentials to access data.</li> <li>2. Employee specifics the desired sales information from the system for the report.</li> <li>3. The system calculates and generates a sales report for that week.</li> <li>4. The employee verifies the information given by the system.</li> <li>5. The system prompts the employee to enter a destination to send the sales report.</li> <li>6. Employee enters the recipient's information.</li> <li>7. The sales report is sent to the recipient.</li> <li>8. The system stores the report in its data storage.</li> </ol> </li> </ol>			
<b>Alternative Courses:</b> <ol style="list-style-type: none"> <li>1.1 Manager or other department generates the sales report themselves (Branch at step 5) <ol style="list-style-type: none"> <li>1. The system prompts the employee to enter a destination to send the sales report.</li> <li>2. Employee sends the report to himself.</li> <li>3. The system continues at step 7.</li> </ol> </li> </ol>			
<b>Postconditions:</b> <ol style="list-style-type: none"> <li>1. Reports are stored for modification and correction in the future.</li> <li>2. Reports are sent.</li> </ol>			
<b>Exceptions:</b> <ol style="list-style-type: none"> <li>E1: There is not enough information in the reports. <ol style="list-style-type: none"> <li>1. The system will tell the employee that there is not enough information to generate a proper report.</li> <li>2. The system will ask the employee if they want to re-enter information or to cancel and exit.</li> <li>3. The employee asks to re-enter information.</li> <li>4. The system starts the Normal Course again.</li> <li>5. The employee asks to exit.</li> <li>6. The system terminates the current use case and exits.</li> </ol> </li> </ol>			
<b>Summary Inputs</b>	<b>Source</b>	<b>Outputs</b>	<b>Destination</b>
Employee ID/password	Employee	Sales Data	System
Information needed	Employee	Sales Report	System
Recipient's address	Employee	Sent Report	Recipient

<b>Use Case Name:</b> Generating Revenue, Cost, and Net Profit Reports		<b>ID:</b> 6	<b>Priority:</b> High
<b>Actor:</b> Employee			
<b>Description:</b> This Use Case describes the process of creating revenue, cost and net profit reports.			
<b>Trigger:</b> Employee generates revenue, cost and net profit reports.			
<b>Type</b> <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
<b>Preconditions:</b> 1. The user must log into the system to see ticket price data 2. Tickets must be purchased before being made available on the system 3. Tickets must be sold to customers at either pre-set prices or manually adjusted prices			
<b>Normal Course:</b>  1.1. Requesting ticket price information from the system  1. Employee logs in to access the data  2. Employee enters ticket price information from the system  3. The system will generate revenue, cost, and net Profit reports for the specified timeframe  4. The employee will enter a destination in the prompted field to send the revenue, cost and net profit reports.  5. The sales report is sent to the recipient.  6. The system stores the report in its data storage.			
<b>Alternative Courses:</b> 1.1 Manager or another department generates the revenue, cost or net profit report 1. The system prompts the employee to enter a destination to send the revenue, cost and net profit reports. 2. Employee sends the report to himself.			
<b>Postconditions:</b> 1. Reports are stored for modification and correction in the future. 2. Reports are sent.			
<b>Exceptions:</b> <b>E1:</b> There is not enough information in the reports. 1. The system will tell the employee that there is not enough information to generate a proper report. 2. The system will ask the employee if they want to re-enter information or to cancel and exit. 3. The employee asks to re-enter information. 4. The system starts the Normal Course again. 5. The employee asks to exit.  The system terminates the current use case and exits.			
<b>Summary Inputs</b>	<b>Source</b>	<b>Outputs</b>	<b>Destination</b>
Employee ID/Password Information needed Recipient's Address	Employee Employee Employee	Ticket Price Data Revenue, Cost, and Net Profit Report Sent Report	System System Recipient

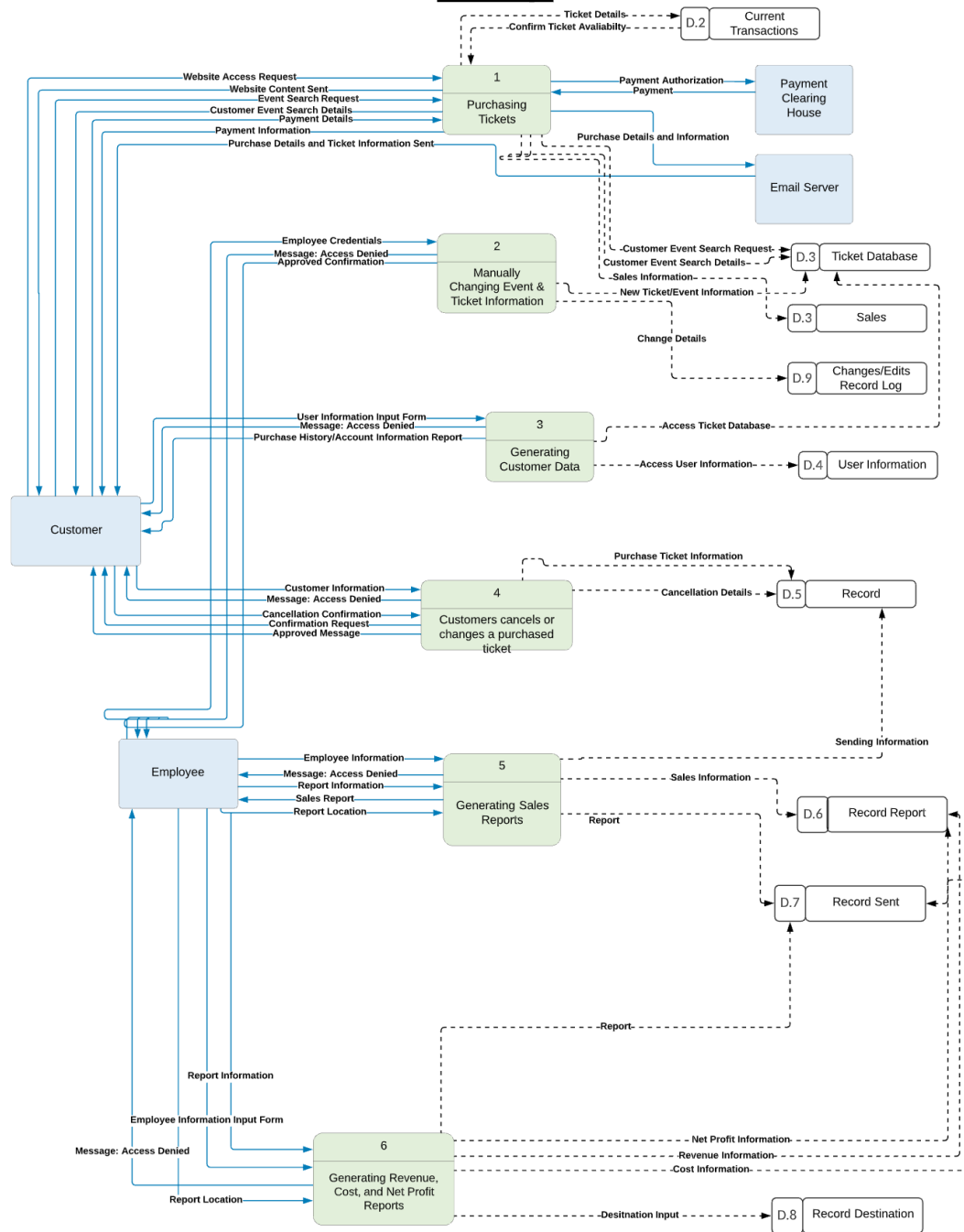
## Data Flow Diagrams

### *Context Diagram*

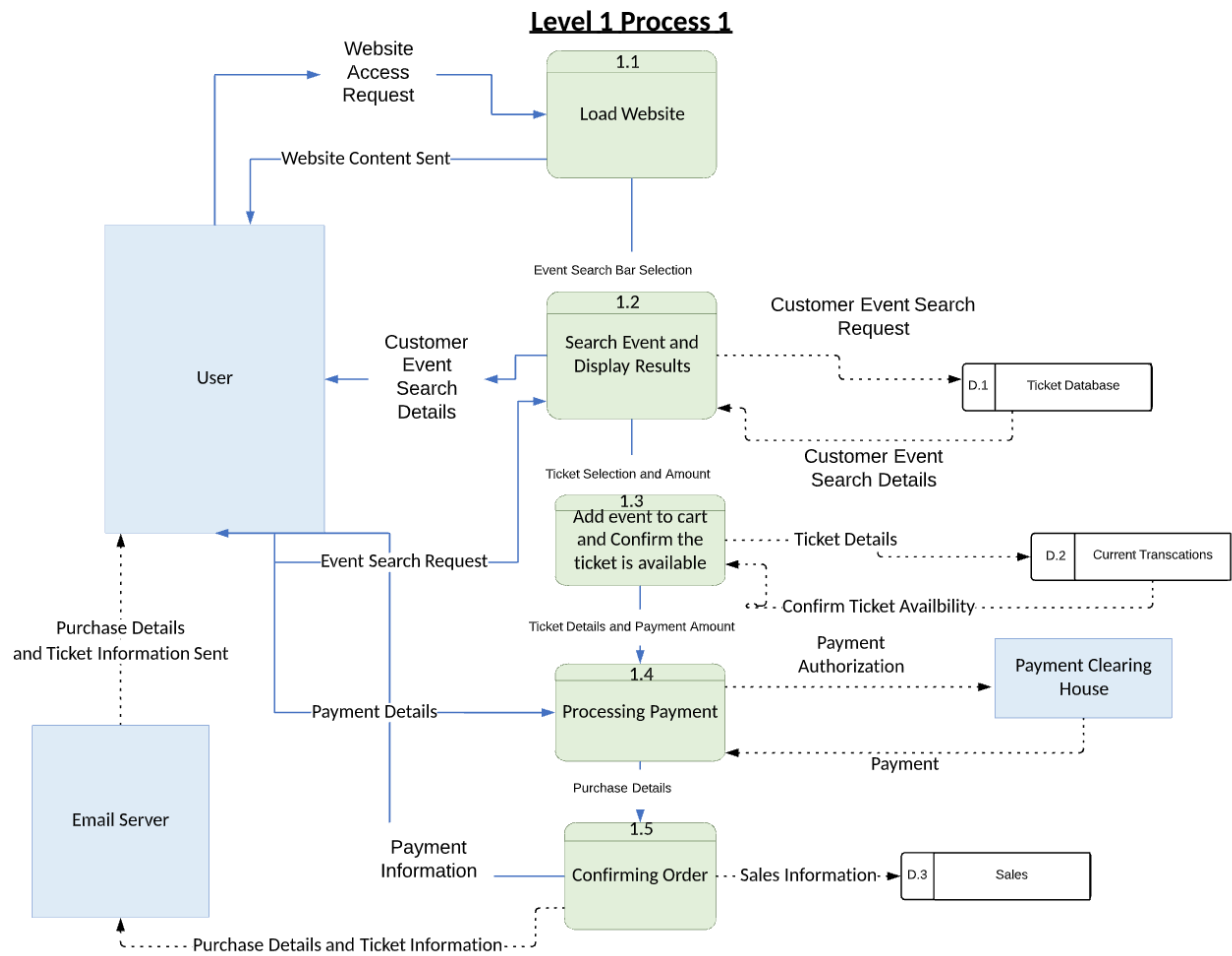


# Level 0 Diagram

## Level 0

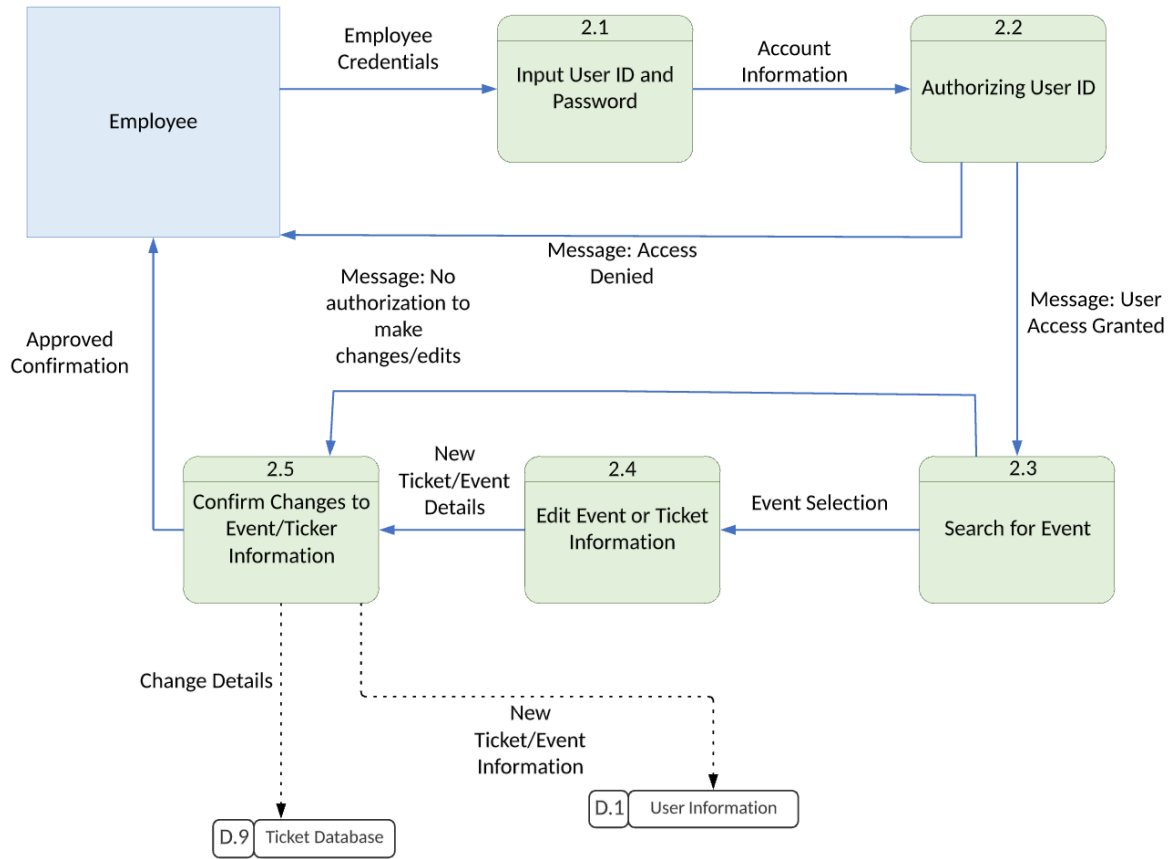


**Level 1 Diagrams**  
**Process 1**



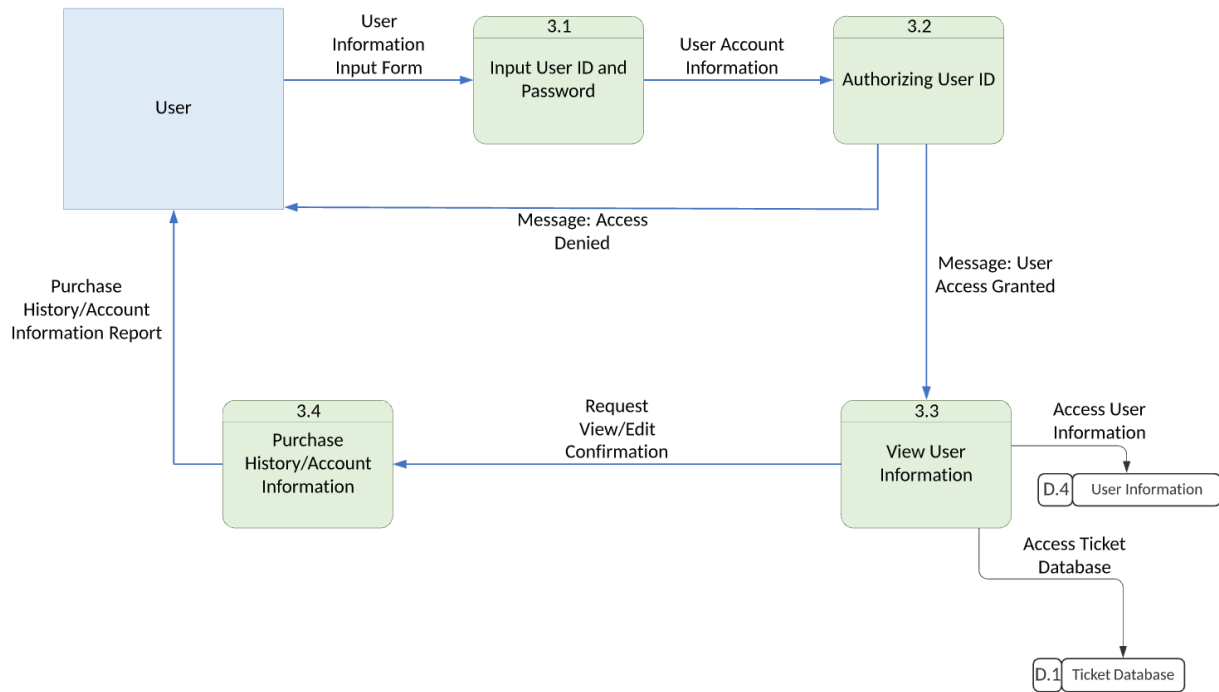
Process 2

**Level 1 Process 2**



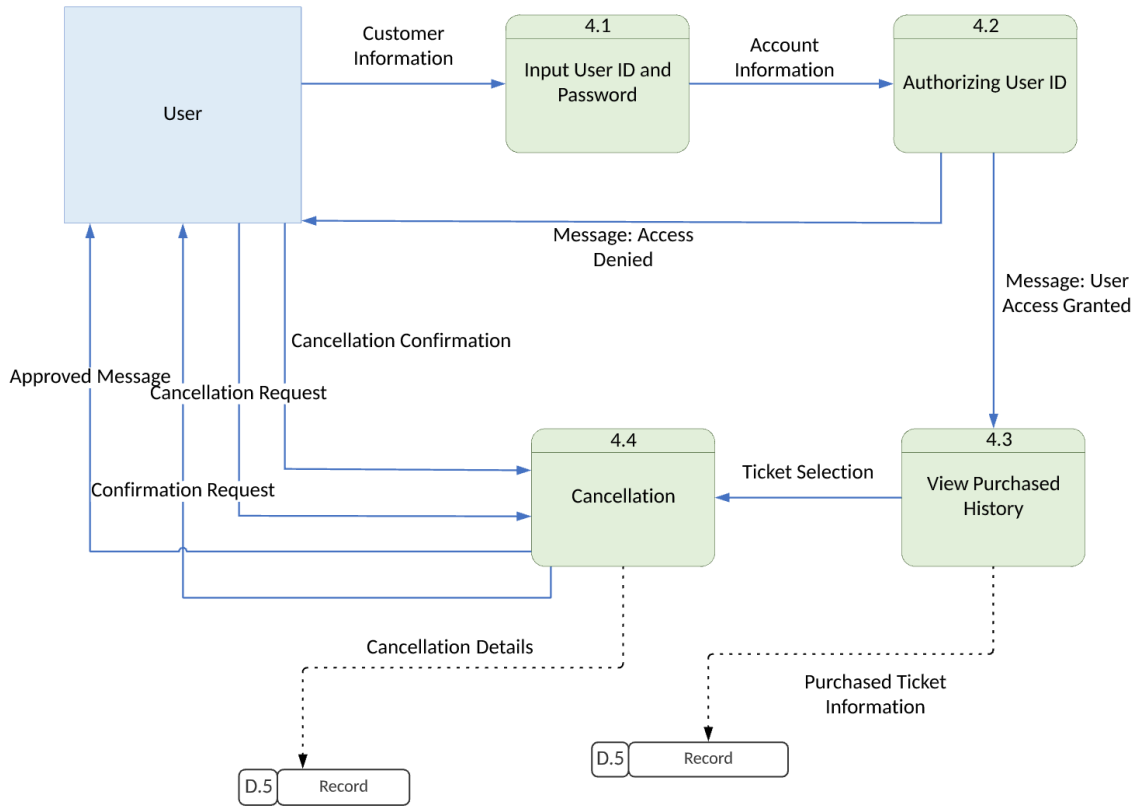
Process 3

**Level 1 Process 3**



Process 4

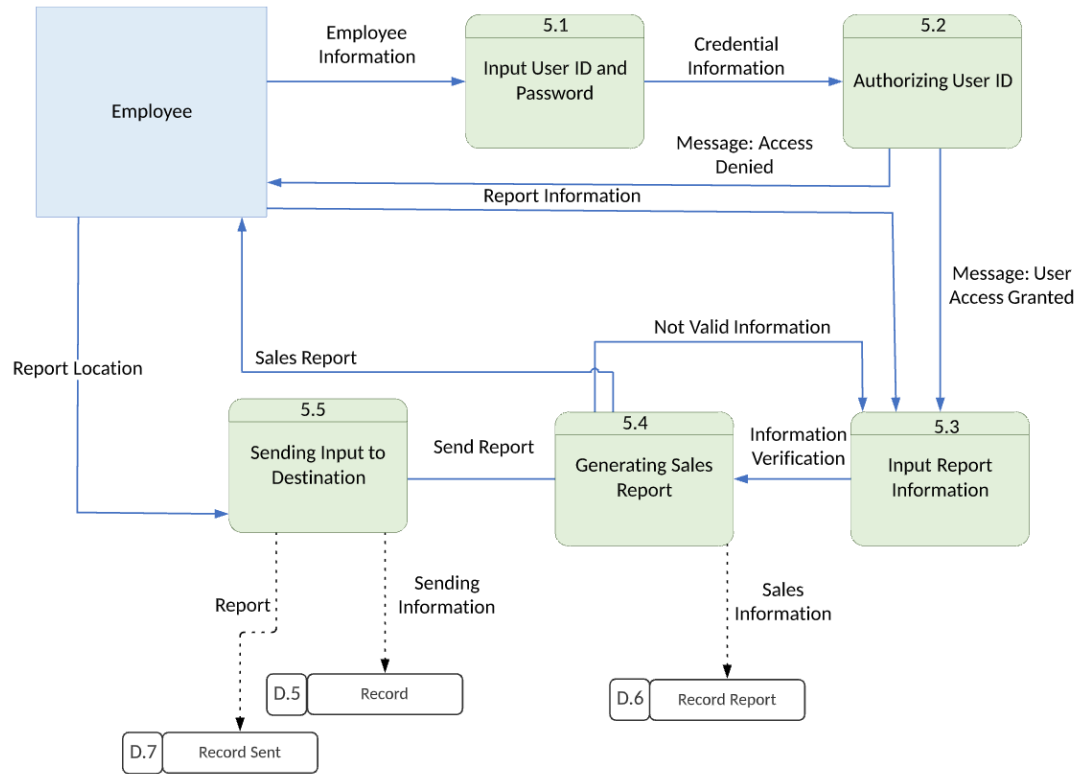
**Level 1 Process 4**



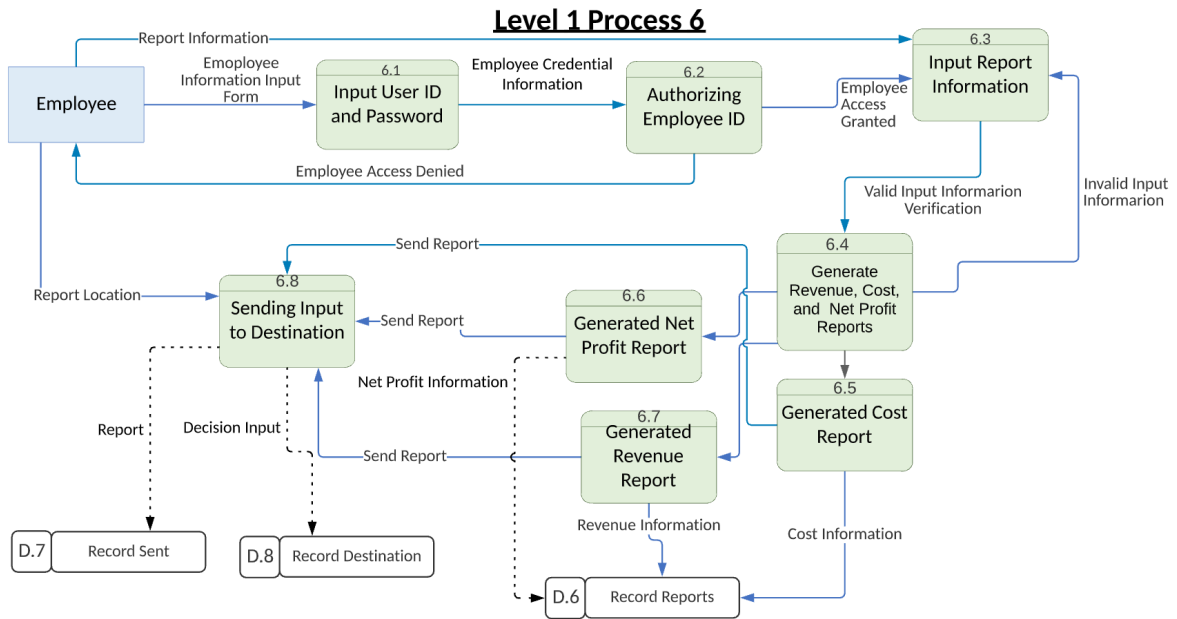


Process 5

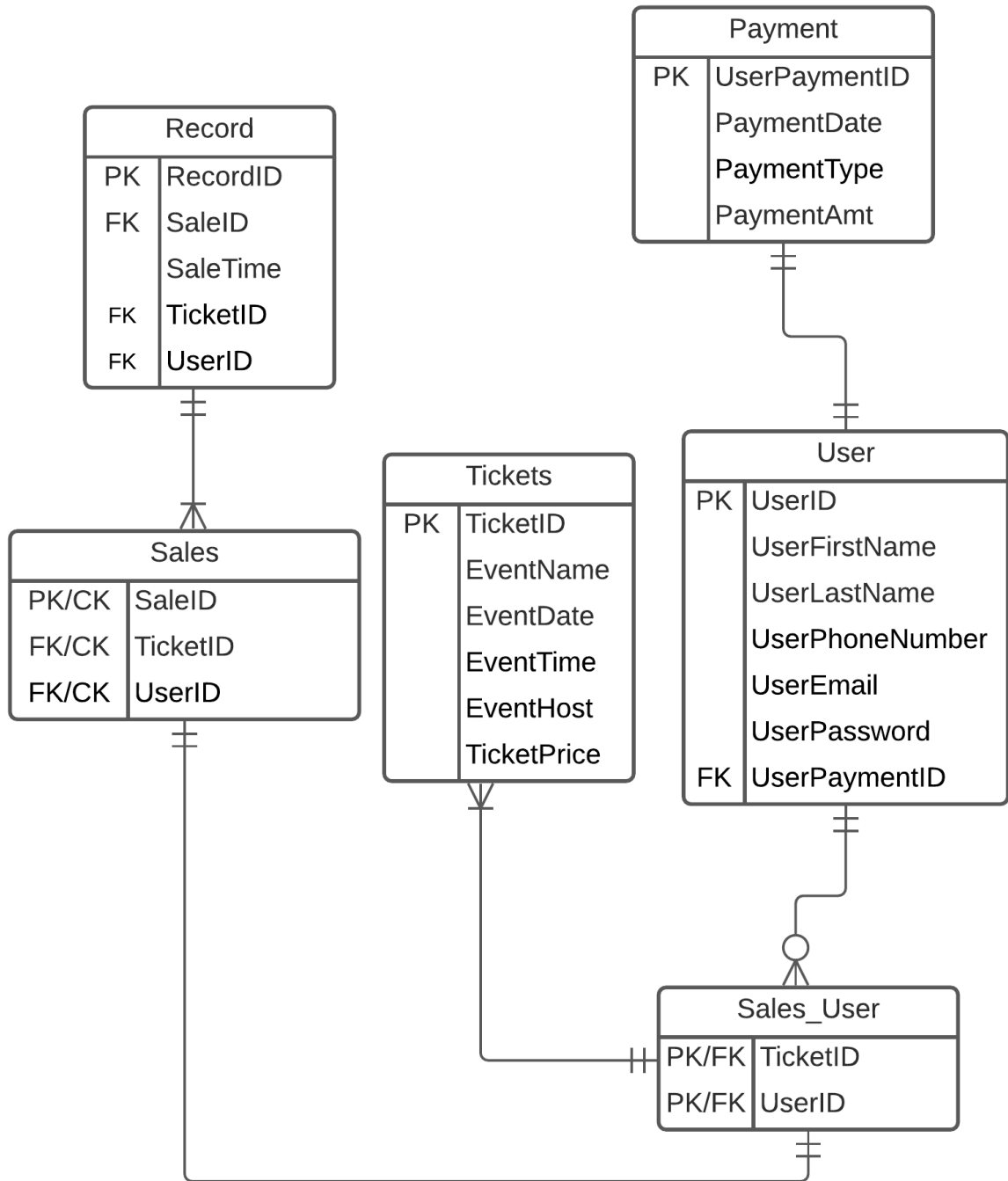
**Level 1 Process 5**

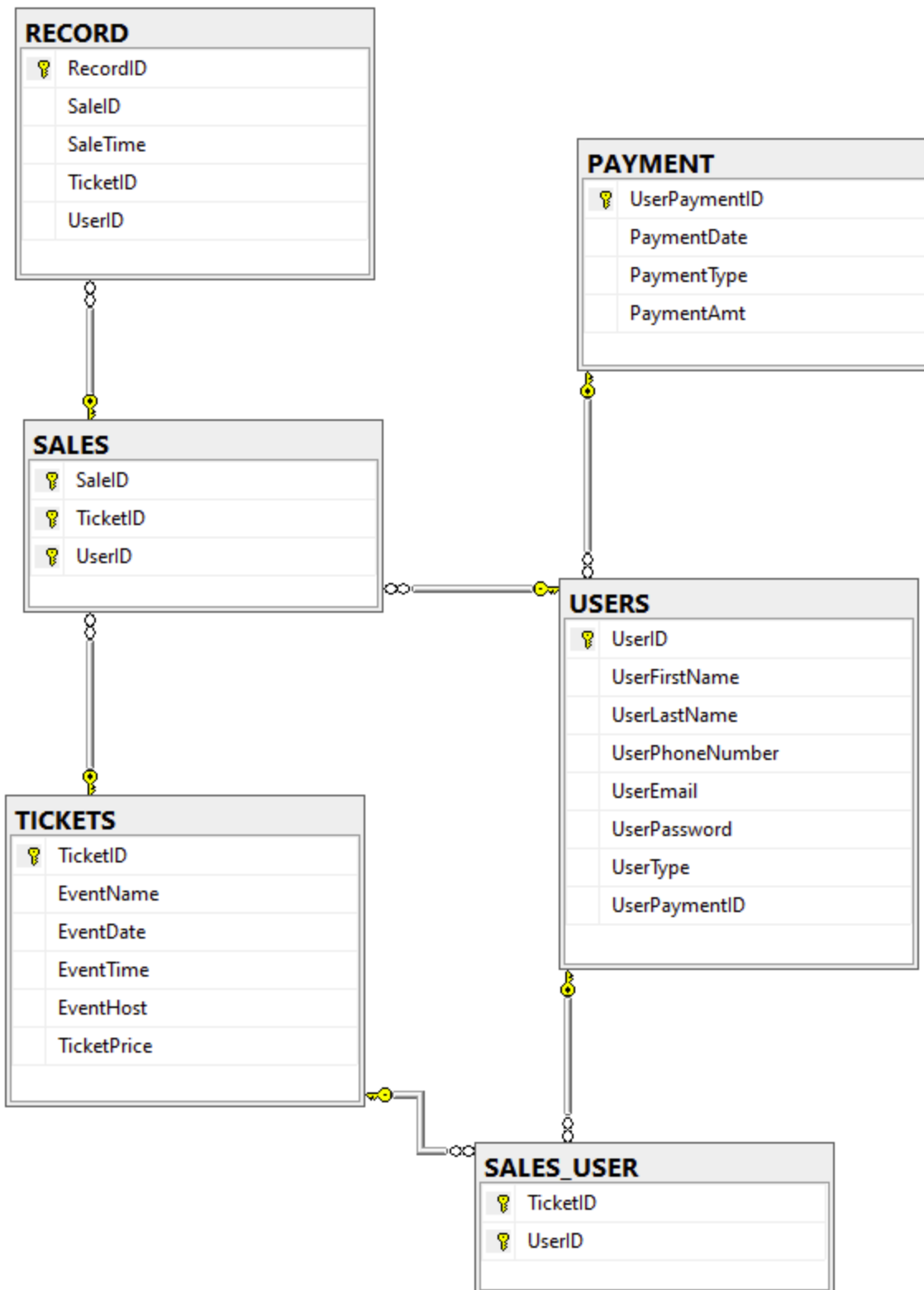


Process 6



## Logic Entity Relationship Diagrams





## **Dummy Data**

### **PAYMENT**

10/01/2020, VISA, 100  
10/02/2020, VISA, 200  
10/03/2020, MASTERCARD, 300  
10/04/2020, MASTERCARD', 400  
10/05/2020, VISA, 500

### **USERS**

Jimmy, John, 17141234561, JJ@gmail.com, Password123, 0, 1  
Paul, Rover, 17141234562, PR@gmail.com, 123456, 0, 2  
Tracey, Smith, 17141234563, TS@aol.com, dog123, 0, 3  
Peter, Steel, 17141234564, PS@aol.com, 0123, 1, 4  
Caroline, River, 17141234565, CR@yahoo.com, qwerty, 1, 5

### **TICKETS**

AC/DC, 10/10/2020, 19:00, The Grove, 99.99  
Angels Game, 10/11/2020, 13:30, Angels Stadium, 12.99  
Ducks Game, 10/12/2020, 11:00, Honda Center, 23.99  
Kings Game, 10/13/2020, 15:00, Staples Center, 24.99  
Chargers, 10/14/2020, 16:00, SoFi Stadium, 49.99

### **SALES\_USER**

1, 1  
2, 2  
3, 3  
4, 4  
5, 5

### **SALES**

1, 1, 1  
2, 2, 2  
3, 3, 3  
4, 4, 4  
5, 5, 5

### **RECORD**

1, 13:32, 1, 1  
2, 14:45, 2, 2  
3, 13:00, 3, 3  
4, 6:23, 4, 4  
5, 19:48, 5, 5

## **Use Scenarios**

### *Scenario 1*

The most common use will be the user going onto the website then accessing the home page. They then will begin the first use case of purchasing a ticket. The user will Login or start the search immediately in the search bar. Searching by event name, event date, or availability of the event they will receive the results for their desired input. Selecting the event they will add the ticket and start the purchasing process. The user will be prompted for their payment information and once confirmed by the payment clearing house will be sent a confirmation. Their confirmation will appear after the transaction and the payment and ticket information will be sent to their email.

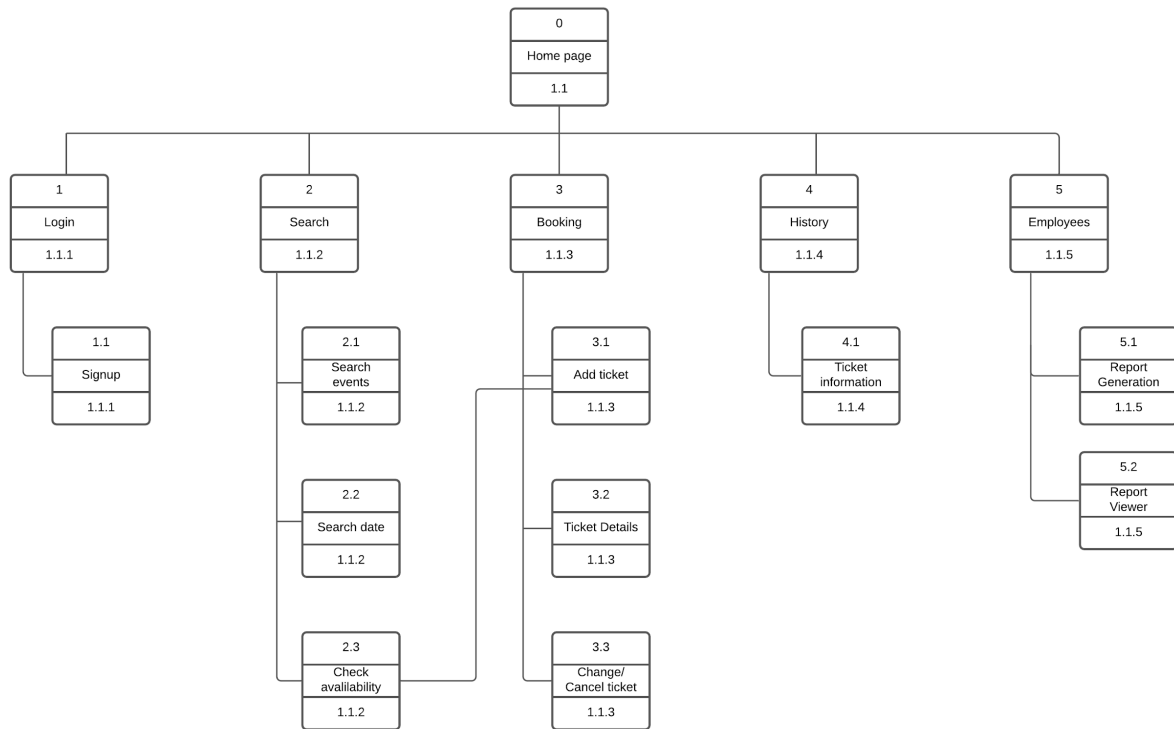
### *Scenario 2*

The next most common use will be employees generating reports using the data from the purchasing site. Based on use case five and six the employee will login to the website and will go into the employee portal. From there the employee will be able to generate reports and view old reports. To generate the report they will input the information such as time frame and type of report they would like to generate. Once they fill out the information the information will be turned into a report and the employee will be sent to the report viewer. From the report viewer they can view and send the report to the destination that it needs to be sent.

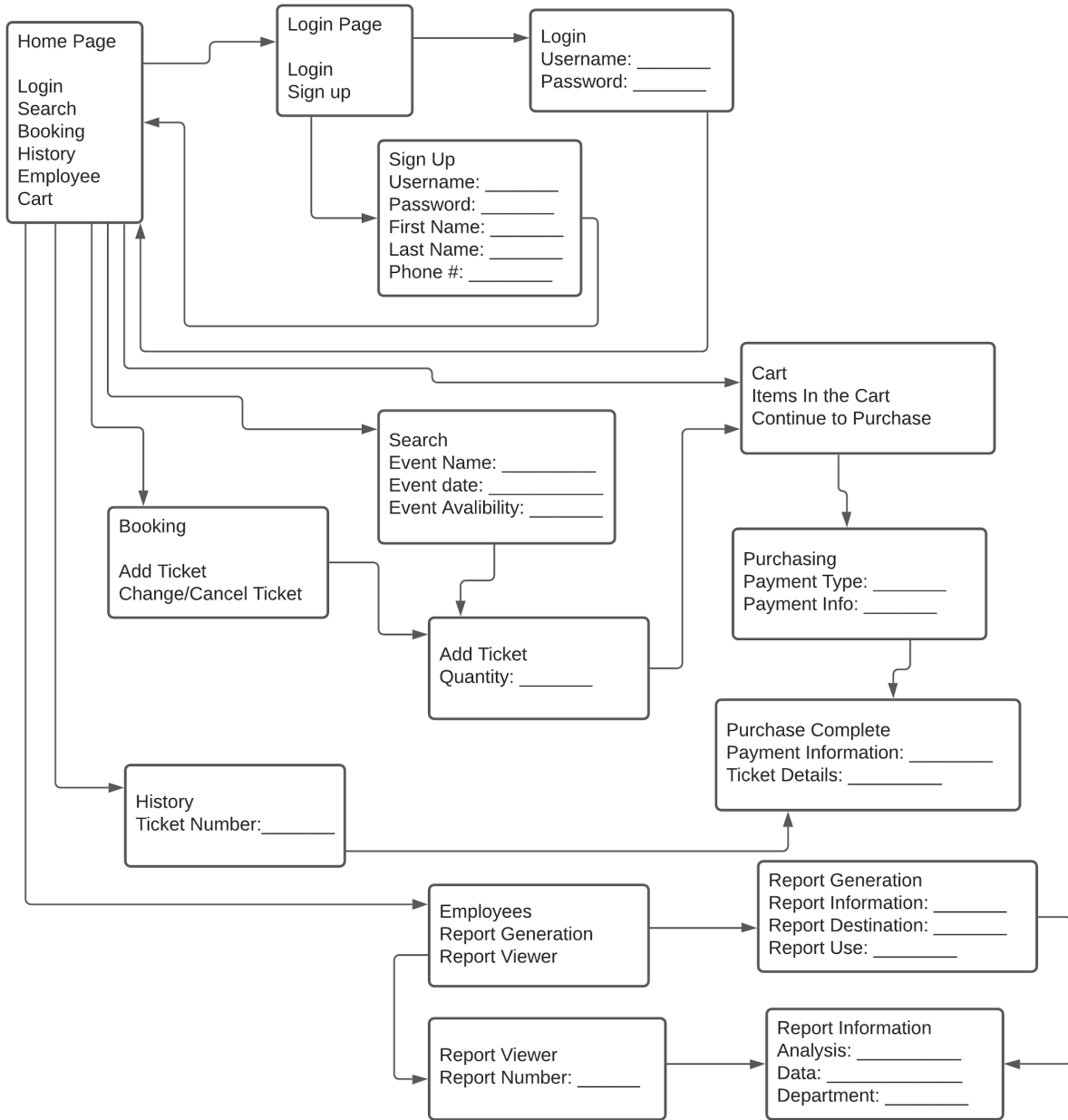
### *Scenario 3*

The third common use would be for cancellations of tickets. The user will implement use case four where the user will log on to the website and verify their information to access their account. From there, the user will be able to retrieve their ticket information from their purchase history and be able to have the chance to cancel or change their ticket(s). The system will ask the user to confirm if the user wants to cancel or change their ticket(s) and will confirm their changes. If the change or cancellation is being done 48 hours before the event, the system will see the action as invalid and not continue any further.

# Virtual User Interface



# Storyboard





# User Interface Screenshots

1025-454, Fall 2020, Group #1, Ticketing System

## Ticketing System

Home Login Booking History Employee **Cart**


Type Event Name Here..... Search

Home Page Hello, Please input your SQL server name. (Example: DEKSTOP-123ASHISQLEXPRESS)

**Submit Server**

### Affordable Tickets For Your Favorite Events!

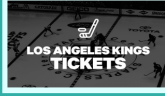
#### Concert Events



**AC/DC**  
Date: 10/10/2020  
Price: \$100 per Ticket


**Book**

#### Sport Events



**Kings**  
Date: 10/13/2020  
Price: \$25 per Ticket

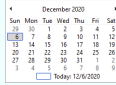
**Book**




**Chargers**  
Date: 10/14/2020  
Price: \$50 per Ticket

**Book**


#### Today's Date





**Angels**  
Date: 10/11/2020  
Price: \$13 per Ticket

**Book**



**Ducks**  
Date: 10/12/2020  
Price: \$24 per Ticket

**Book**

1025-454, Fall 2020, Group #1, Ticketing System

## Ticketing System

Home Login Booking History Employee **Cart**

Type Event Name Here..... Search

Please input your information to Login or SignUp

Email:

Password:  [Show Password](#)

**Login** **Sign Up**

1025-454, Fall 2020, Group #1, Ticketing System

## Ticketing System

Home Login Booking History Employee **Cart**

Hello, Chris DePaola

Type Event Name Here..... Search

	Event Name	Event Date	Event Price	
1.	AC/DC	10/10/2020	\$100	<b>Add To</b>
2.	Angels Game	10/11/2020	\$13	<b>Add To</b>
3.	Ducks Game	10/12/2020	\$24	<b>Add To</b>
4.	Kings Game	10/13/2020	\$25	<b>Add To</b>
5.	Chargers	10/14/2020	\$50	<b>Add To</b>

## Your Cart

Items	Subtotal	
Event:AC/DC, Host:The Grove, Date:10-10-2020	\$100	Delete Item From Cart
Event:Angels Game, Host:Angels Stadium, Date:10-11-2020	\$13	Delete Item From Cart
Event:Ducks Game, Host:Honda Center, Date:10-12-2020	\$24	Delete Item From Cart
Event:Kings Game, Host:Staples Center, Date:10-13-2020	\$25	Delete Item From Cart

Total \$162

Check Out

## Check Out

First Name

Last Name

Email

Phone Number

Full Address

Credit Card Number

Expiration Date  CVC

Check Out Total: \$162

Confirm Checkout

## Confirmation

Thank you for your purchase.  
Check your email for the full receipt and ticket details.

Order Number: 628948119

# Ticketing System

Hello, Chris DePaola

[Home](#)[Login](#)[Booking](#)[History](#)[Employee](#)[Cart](#)

## Order History

Order Number: 628948119      Email: chris@gmail.com  
 Order Made By: Chris DePaola      Order Total : \$162

### Items Ordered:

- Event: AC/DC, Event Date: 10-10-2020, Event Time :19:00:00, Event Host: The Grove, Amount Paid:\$100
- Event: Angels Game, Event Date: 10-11-2020, Event Time :13:30:00, Event Host: Angels Stadium, Amount Paid:\$13
- Event: Ducks Game, Event Date: 10-12-2020, Event Time :11:00:00, Event Host: Honda Center, Amount Paid:\$24
- Event: Kings Game, Event Date: 10-13-2020, Event Time :15:00:00, Event Host: Staples Center, Amount Paid:\$25

# Ticketing System

Hello, Caroline River

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## Employee Page

### Sales Report

Number of Tickets Sold

### Revenue Report

Revenue

## **Summary**

To create a professional proposal alongside a deliverable, our team set to create a schedule that aligned with the class schedule in terms of what the class was learning that day. Most of our experience and knowledge was built off past classes such as creating ERDs and use cases that helped us complete our weekly assignments. Our group was able to complete one part every week that did not leave all work to the absolute last minute which granted time to revise our work and work on our presentation sections as well. Several programs we used include Lucidchart for our diagrams, SQL Server Management Studio, and Visual Studio. Several challenges as a group was that there are certain sections in the project that were needed to be worked on together, but all group members had various responsibilities outside of this class which made our schedules not align as much as we would have wanted to and as we have all had different professors throughout the semesters, the way we learned concepts varied between us. Overall, we were able to meet up through zoom calls usually after class or early in the mornings around 8 A.M. and discuss discrepancies we had on concepts to make sure we were on the same page.