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# **GSU Event Portal**

By

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GRADUATE SEMINAR PROJECT

Submitted in partial fulfillment of the requirements

For the Degree of Master of Science,

With a Major in Computer Science



Governors State University  
University Park, IL 60484

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## **ABSTRACT**

Finding favorable events is a huge hassle, it can become tiresome and if the event is not favorable and not likable, it is going to be a bad experience. To cut down the hassle GSU Event Portal is being created. With GSU Event Portal customers can choose their favorite events in no time.

Organizing the events is also a huge mission and spreading the word is also an awful task. GSU Event Portal made it easier where anyone can select the price of the tickets and do the marketing for it. This application will be released in the month of November 2018.

GSU Event Portal is a portal where it allows to create and manage events and register users to take participation in events. This portal will be interacting with the students, event authorized personnel and take part in various events depends on criteria of users.

GSU Event Portal contains a database containing event information, user information and keep track of registered user for specific event.

GSU Event Portal uses HTML5, Bootstrap, CSS for designing the website and the business layer for this portal will be a .net Web API and the back-end will be Entity Framework.

# Table of Content

<b>1</b>	<b>Feature Description</b> .....	<i>Error! Bookmark not defined.</i>
1.1	Competitive Information .....	<b>Error! Bookmark not defined.</b>
1.2	Relationship to Other Applications/Projects .....	<b>Error! Bookmark not defined.</b>
1.3	Assumptions and Dependencies .....	<b>Error! Bookmark not defined.</b>
1.4	Future Enhancements .....	<b>Error! Bookmark not defined.</b>
1.5	Definitions and Acronyms .....	<b>Error! Bookmark not defined.</b>
<b>2</b>	<b>Technical Description</b> .....	<b>2</b>
2.1	Project/Application Architecture.....	2
2.2	Project/Application Information flows.....	3
2.3	Capabilities.....	3
2.4	Risk Assessment and Management .....	3
<b>3</b>	<b>Project Requirements</b> .....	<b>4</b>
3.1	Identification of Requirements.....	4
3.2	Operations, Administration, Maintenance and Provisioning (OAM&P) .....	27
3.3	Security and Fraud Prevention .....	27
3.4	Release and Transition Plan .....	27
<b>4</b>	<b>Project Design Description</b> .....	<b>28</b>
<b>5</b>	<b>Design Units Impacts</b> .....	<b>33</b>
5.1	Functional Overview .....	33
<b>6</b>	<b>Screen Layouts</b> .....	<b>42</b>
<b>7</b>	<b>Conclusion</b> .....	<b>70</b>
<b>8</b>	<b>Acknowledgements</b> .....	<b>70</b>
<b>9</b>	<b>References</b> .....	<b>70</b>

## ***1. Feature Description:***

GSU Event Portal is accessed by visitor, event admin, developer, and users. it allows users or visitor to browse an event. He can get access to all type of event by location.

### ***1.1 Competitive Information:***

EventsGSU portal will help event management very easier. There are so many similar website present outside the market like Eventbrite.com and eventsmart.com. our website has the unique composition compared to other. Even Though other website are giving important role for organizer to host an event but our site is more user friendly and flexible to organizer to create events. Our website has a unique feature it helps user to save the payment details in the profile for future use in a more secure way.

### ***1.2 Relationship to Other Applications/Projects:***

EventsGSU is relate with the eventbrite.com and eventsmart.com. But what makes EventsGSU website unique is it has the location access and very user friendly to the user as well as organizer.

### ***1.3 Assumptions and Dependencies:***

- We assume that User can easily understand and able register and login into EventsGSU portal.
- We assume that Organizer can easily create and host the event.
- We assume that this portal is very user friendly any visitors can browse events and buy tickets.
- We assume this portal will give 24/7 support.

### ***1.4 Future Enhancements:***

In future we like to implement the chat box in the portal in order directly connect will portal management to resolve issues in no time. We like implement the OTP(one time password) for the login in order to more secure functionality.

### ***1.5 Definitions and Acronyms:***

- User: User is person who can register and login to purchase tickets for an event.
- Organizer: Organizer is a person who can create and host an event in our portal.
- Visitor: A visitor can browse events and buy tickets.
- Admin: Admin have complete access to the EventsGSU portal.

## 2. Technical Description:

GSU Event Portal uses HTML5, Bootstrap, CSS for designing the website and the business layer for this portal will be a .net Web API and the back-end will be Entity Framework.

### 2.1 Application Architecture:

In this project, we have use 3-layer architecture.  
layers are as listed below:

- (1) Presentation Layer(UI),
- (2) Business Logic Layer and
- (3) Data Access Layer

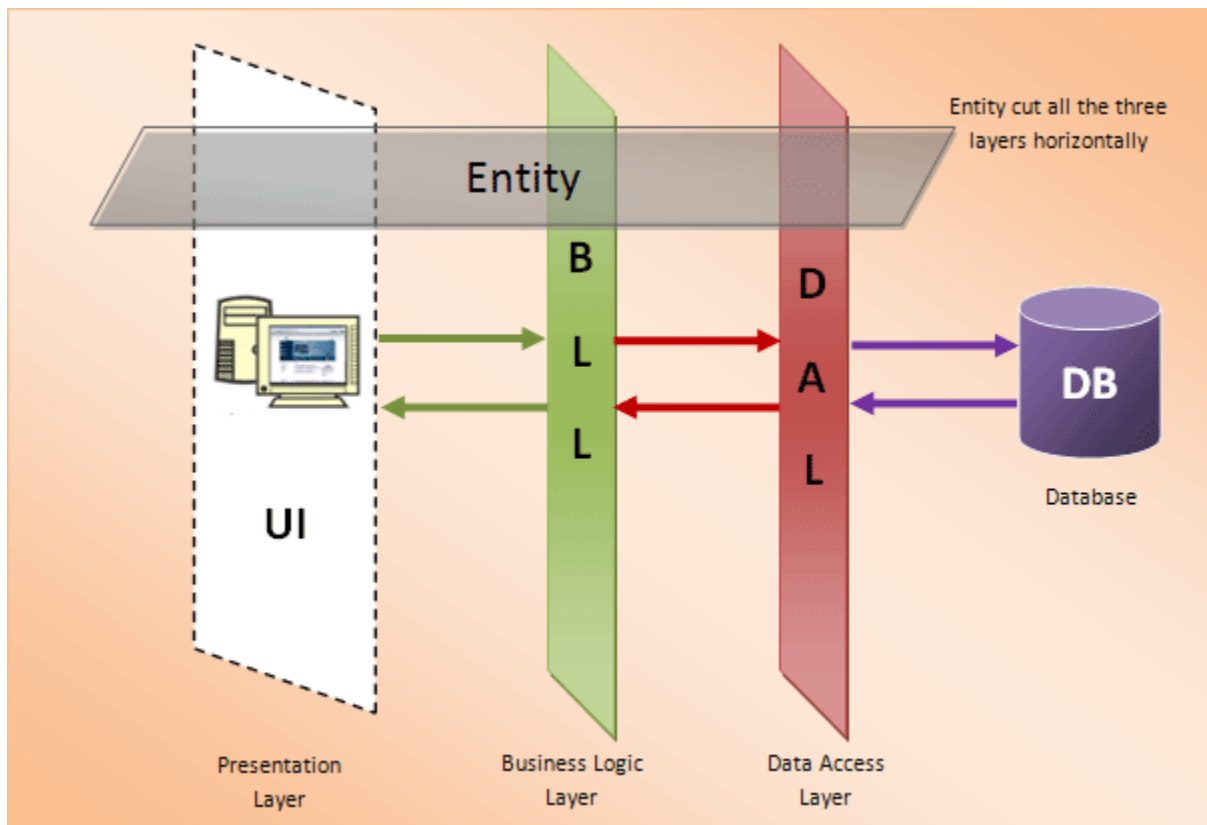


Figure 1 Application Architecture

## ***2.2 Application Information flows:***

Visitor → visit website → Home Page → Search for Event → View Results on map → View event details → login/register as User.

User login → Update Details → Search for Events → View Results → Select Event → Payment → Payment History → Done

Organizer → login → Create Event → Manage Events → Manage Users (How many attending).

Admin → login → Create Event → Manage all Events → Manage all users → Manage Payments.

## ***2.3 Capabilities:***

Capabilities of administrator:

- delete/update the organizer details.
- delete/update the user details.
- delete/update events.
- Delete payment history.

Capabilities of Organizer:

- Create/Manage events.
- Update own profile.
- View users for events.

Capabilities of User:

- Update own profile.
- Search for events.
- Register for events.
- View booking history.

## ***2.4 Risk Assessment and Management:***

Risk: Miss use of user account and organizing events.

Mitigation: Our admin will take care and immediately remove their profiles.

Risk: making fake payments.

Mitigation: Events up to date security will catch the transactions while making and stop proceeding.

### **3. Project Requirements:**

#### **3.1 Identification of Requirements:**

This section provides a brief explanation of the use of named and enumerated requirements to identify and number requirements. For each requirement, SMART criteria as guidelines has been followed and can be found on: ([https://en.wikipedia.org/wiki/SMART\\_criteria](https://en.wikipedia.org/wiki/SMART_criteria)):

- Specific – target a specific area for improvement.
- Measurable – quantify or at least suggest an indicator of progress.
- Achievable – specify what will be accomplished
- Realistic – state what results can realistically be achieved, given available resources.
- Time-related – specify when the result(s) can be achieved.

The following are the Requirements for the database of the application EventsGSU\_FA2018:

#### **<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Table Name-Events Table- #0001>**

**Description: This Table will be used to store the data of the Events used in the Project.**

Status: Implemented

Implementation: Mandatory

#### **<AKI Tech-EventsGSU\_FA2018-version V 1.1 Database-Table Name-Event Details- #0002>**

**Description: this table will be used to store the description of the events that are used in project.**

Status: Implemented

Dependencies: None

#### **<AKI Tech-EventsGSU\_FA2018-version V 1.1 Database-Table Name- Event Type - #0003>**

**Description: This table will be used to store the types of event that are used in project.**

Status: Implemented

Dependencies: None

#### **<AKI Tech-EventsGSU\_FA2018-version V 1.1 Database-Table Name- PaymentHistoryTable - #0004>**

**Description: this table will be used to store the payment history based on the ticket purchased.**

Status: Implemented

Dependencies: None



<AKI Tech-EventsGSU\_FA2018-version V 1.1 Database-Table Name- Payment Table - #0005>

**Description:** this table will be used to store the payment details of the user.

Status: Implemented

Dependencies: None

<AKI Tech-EventsGSU\_FA2018-version V 1.1 Database-Table Name-Role Table- #0006>

**Description:** this table will be used to store the role of the user.

Status: Implemented

Dependencies: None

<AKI Tech-EventsGSU\_FA2018-version V 1.1 Database-Table Name- Tickets Table - #0007>

**Description:** this table will be used to store the ticket purchased by the user.

Status: Implemented

Dependencies: None

<AKI Tech-EventsGSU\_FA2018-version V 1.1 Database-Table Name- User Table - #0008>

**Description:** this table will be used to store the details of the user.

Status: Implemented

Dependencies: None

<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Eventide- #0009>

**Description:** This Column is the Primary key to the table Events Table in the Database with the data type INT and IDENTITY of (1,10) which is a Not Null.

Identity: (1,10)

Datatype: INT

Allow Nulls: NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventLocation-0010>**

**Description: This Column is used to store the event location of the Events Table in the Database with the data type NVARCHAR(MAX) and which is a Not Null.**

Datatype: NVARCHAR(MAX)

Allow Nulls: NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventDate-0011>**

**Description: This Column is used to store the event date of the Events Table in the Database with the data type DATE and which is a Not Null.**

Datatype: DATE

Allow Nulls: NOT NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventType-0012>**

**Description: This Column is used to store the event type of the Events Table in the Database with the data type NVARCHAR (50) and which is a Not Null.**

Datatype: NVARCHAR (50)

Allow Nulls: NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventImage-0013>**

**Description: This Column is used to store the event image of the Events Table in the Database with the data type NVARCHAR(MAX) and which is a Not Null.**

Datatype: NVARCHAR(MAX)

Allow Nulls: NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventTitle-0014>**

**Description: This Column is used to store the event title of the Events Table in the Database with the data type NVARCHAR(MAX) and which is an ALLOW Null.**

Datatype: NVARCHAR(MAX)

Allow Nulls: NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserID-0015>**

**Description: This Column is a Foreign KEY to Events Table from the User Table where it will store the UserID of the user and it has the datatype of INT which is NULL.**

Datatype: INT

Allow Nulls: NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-CreatedDate-0016>**

**Description: This Column is used to store The Created date of the Row, the datatype for this column is DATE and it allows NULL.**

Datatype: DATE

Allow Nulls: NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-ModifiedDate-0017>**

**Description: This Column is used to store The Modified Date of the particular Row, The datatype for this column is DATE and it allow NULL.**

Datatype: DATE

Allow Nulls: NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-isDelete- #0018>**

**Description: This Column is used to Notify whether the Row is deleted or not, it has a datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls: NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventDetailsID-  
#0019>**

**Description: This Column is the Primary key to the table Event Details in the Database with the datatype INT and IDENTITY of (1,10) which is a NOT NULL.**

Identity: (1,10)

Datatype: INT

Allow Nulls: NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Event  
Description- #0020>**

**Description: This Column is used for storing the Events Description and it has a datatype of NVARCHAR(MAX) which is NOT NULL.**

Datatype: NVARCHAR(MAX)

Allow Nulls: NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserID- #0021>**

**Description: This Column is a Foreign KEY to Event Details Table from the User Table where it will store the UserID of the user, it has the datatype of INT which is NULL.**

Datatype: INT

Allow Nulls: NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Created Date-  
#0022>**

**Description: This Column is used to store The Created date of the Row, the datatype for this column is DATE and it allows NULL.**

Datatype: DATE

Allow Nulls: NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Modified Date-  
#0023>**

**Description: This Column is used to store The Modified Date the Row, The datatype for this column is DATE and it is allowing NULL.**

Datatype: DATE

Allow Nulls: NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventID- #0024>**

**Description: This Column is a Foreign key to Event Details Table from Events Table and has the datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls: NULL

Status: Implemented

Implementation: Mandatory

<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-isDelete- #0025>

**Description: This Column is used to Notify whether the Row is deleted or not, it has a datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls: NULL

Status: Implemented

Implementation: Mandatory

<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-TicketID- #0026>

**Description: This Column is the Primary key to the Tickets Table in the Database with the datatype INT and IDENTITY of (1,10) which is a NOT NULL.**

Identity : (1,10)

Datatype: INT

Allow Nulls : NOT NULL

Status: Implemented

Implementation: Mandatory

<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Ticket Quantity- #0027>

**Description: This Column is used to store the total number of Tickets on the Event; this column has data type INT and allows NULL.**

Datatype: INT

Allow Nulls: NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Ticket Price-  
#0028>**

**Description: This Column is used to store the price of Ticket on the Event; this column has data type of INT and allows NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventID- #0029>**

**Description: This Column is a Foreign key to Tickets Table from the Events Table where it will store the EventID of the user ,it has the datatype of INT which is NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserID- #0030>**

**Description: This Column is a Foreign key to Tickets Table from the User Table where it will store the UserID of the user ,it has the datatype of INT which is NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory



**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Created Date-  
#0031>**

**Description: This Column is used to store The Created date of the Row, the datatype for this column is DATE and it allows NULL.**

Datatype: DATE

Allow Nulls : NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Modified Date-  
#0032>**

**Description: This Column is used to store The Modified date of the Row, the datatype for this column is DATE and it allows NULL.**

Datatype: DATE

Allow Nulls : NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-isDelete- #0033>**

**Description: This Column is used to Notify whether the Row is deleted or not, it has a datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserTypeID-  
#0034>**

**Description: This Column is the Primary key to the table Role Table in the Database with the datatype INT and IDENTITY of (1,1) which is a NOT NULL.**

Identity : (1,1)

Datatype: INT

Allow Nulls : NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserCode-  
#0035>**

**Description: This Column is used to store the User Type Code of User Type ID; this column has data type of NVARCHAR(3) and Allows NULL.**

Datatype: NVARCHAR(3)

Allow Nulls : NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-  
UserTypeDescription- #0036>**

**Description: This Column is used to store the User Type Description of User Type Code; this column has data type of NVARCHAR(10) and Allows NULL.**

Datatype: NVARCHAR(10)

Allow Nulls :NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventTypeID-  
#0037>**

**Description: This Column is the EventTypeID to the table Event Type in the Database with the data type INT and IDENTITY of (1,1) which is a Not Null.**

Identity : (1,1)

Datatype: INT

Allow Nulls : NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Event Types-  
#0038>**

**Description: This Column is storing the type of Event to the table Event Type in the Database with the data type NVARCHAR(MAX) and which is a Null.**

Datatype: NVARCHAR(MAX)

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserID- #0039>**

**Description: This Column is the Primary key to the table User Table in the Database with the data type INT and IDENTITY of (1,10) which is a Not Null.**

Identity : (1,10)

Datatype: INT

Allow Nulls : NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-User Password-  
#0040>**

**Description: This Column is used to store the password into User Table in the Database with the data type NVARCHAR(50) and which is a Null.**

Datatype: NVARCHAR(50)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-User Name-  
#0041>**

**Description: This Column is used to store the user name into User Table in the Database with the data type NVARCHAR(50) and which is a Null.**

Datatype: NVARCHAR(50)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-User Email-  
#0042> Description: This Column is used to store the email address of the user into User  
Table in the Database with the data type NVARCHAR(MAX) and which is a Null.**

Datatype: NVARCHAR(MAX)

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-  
UserPhoneNumber- #0043>**

**Description: This Column is used to store the phone number of the user into User Table in the Database with the data type NVARCHAR(MAX) and which is a Null.**

Datatype: NVARCHAR(MAX)

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-IsActive- #0044>**

**Description: This Column is used to store the account activeness with Y(or)N in User Table in the Database with the data type CHAR(1) and which is a Null.**

Datatype: CHAR(1)

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserTypeID-  
#0045>**

**Description: This Column is used to store the user type id of the user into User Table in the Database with the data type INT and which is a Null.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Created Date-  
#0046>**

**Description: This Column is used to store The Created date of the Row, The datatype for this column is DATE and it allows Null.**

Datatype: DATE

Allow Nulls : NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Modified Date-  
#0047>**

**Description: This Column is used to store The Modified date of the Row, The datatype for this column is DATE and it allows Null.**

Datatype: Date

Allow Nulls : NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-isDelete- #0048>**

**Description: This Column is used to Notify whether the Row is deleted or not, it has a datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-  
PaymentHistoryID- #0049>**

**Description: This Column is the Primary key to the PaymentHistoryTable in the Database with the datatype INT and IDENTITY of (1,10) which is a NOT NULL.**

Identity : (1,10)

Datatype: INT

Allow Nulls : NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserTypeID-  
#0050>**

**Description: This Column is used to store the User Type ID of the User; this column has data type of VARCHAR(3) and Allows NOT NULL.**

Datatype: VARCHAR(3)

Allow Nulls :NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserID- #0051>**

**Description: This Column is a Foreign KEY to PaymentHistoryTable Table from the User Table where it will store the UserID of the user ,it has the datatype of INT which is NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-PaymentID-  
#0052>**

**Description: This Column is a Foreign KEY to PaymentHistoryTable Table from the Payment Table where it will store the PaymentID of the user ,it has the datatype of INT which is NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Ticket Purchased-  
#0053>**

**Description: This Column is used to store the number of tickets purchased into PaymentHistoryTable and has the datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserPaymentPaid-  
- #0054>**

**Description: This Column is used to store the amount paid for the purchased tickets into PaymentHistoryTable and has the datatype of NVARCHAR(MAX) and it allows NULL.**

Datatype: NVARCHAR(MAX)

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory



<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-TicketID- #0055>

**Description: This Column is a Foreign key to PaymentHistoryTable from Tickets Table and has the datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-EventID- #0056>

**Description: This Column is a Foreign key to PaymentHistoryTable from Events Table and has the datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

<AKI Tech-EventsGSU\_FA2018-Version 1.1 Database-Column Name-isDelete- #0057>

**Description: This Column is used to Notify whether the Row is deleted or not, it has a datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-PaymentID-  
#0058>**

**Description: This Column is the Primary key to the table Payment Table in the Database with the datatype INT and IDENTITY of (1,10) which is a NOT NULL.**

Identity : (1,10)

Datatype: INT

Allow Nulls : NOT NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-FirstName-  
#0059>**

**Description: This Column is used to store First name to the table Payment Table in the Database with the datatype NVARCHAR(50) and which is ALLOW NULL.**

Datatype: NVARCHAR(50)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Last Name-  
#0060>**

**Description: This Column is used to store the Last Name to the table Payment Table in the Database with the datatype NVARCHAR(50) and which is ALLOW NULL.**

Datatype: NVARCHAR(50)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-User Email-  
#0061>

**Description: This Column is used to store the email address of the user into Payment Table in the Database with the datatype NVARCHAR(MAX) and which is ALLOW NULL.**

Datatype: NVARCHAR(MAX)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-  
UserPhoneNumber- #0062>

**Description: This Column is used to store the phone number of the user into Payment Table in the Database with the data type NVARCHAR(MAX) and which is ALLOW NULL.**

Datatype: NVARCHAR(MAX)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-  
UserCardNumber- #0063>

**Description: This Column is used to store the card number of the user's card into Payment Table in the Database with the data type NVARCHAR(MAX) and which is a Null.**

Datatype: NVARCHAR(MAX)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserCardExpiration- #0064>**

**Description: This Column is used to store the expiration date of the user's card into PaymentTable in the Database with the data type DATE and which is a Null.**

Datatype: DATE

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserCardCCV-#0065>**

**Description: This Column is used to store the credit card verification number of the user's card into PaymentTable in the Database with the data type INT and which is a NULL.**

Datatype: INT

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-User Address-#0066>**

**Description: This Column is used to store the address of the user into PaymentTable in the Database with the data type NVARCHAR(MAX) and which is a NULL.**

Datatype: NVARCHAR(MAX)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserZipCode-  
#0067>**

**Description: This Column is used to store the zip code of the user into PaymentTable in the Database with the data type NVARCHAR(MAX) and which is a NULL.**

Datatype: NVARCHAR(MAX)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-User State-  
#0068>**

**Description: This Column is used to store the state of the user into PaymentTable in the Database with the data type NVARCHAR(50) and which is a NULL.**

Datatype: NVARCHAR(50)

Allow Nulls : ALLOW NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Created Date-  
#0069>**

**Description: This Column is used to store The Created date of the Row, The datatype for this column is DATE and it allows Null.**

Datatype: DATE

Allow Nulls: NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-Modified Date-  
#0070>**

**Description: This Column is used to store The Modified date of the Row, The datatype for this column is DATE and it allows Null.**

Datatype: DATE

Allow Nulls: NULL

Status: Implemented

Implementation: Not Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-UserID- #0071>**

**Description: This Column is a Foreign KEY to PaymentTable Table from the User Table where it will store the UserID of the user ,it has the datatype of INT which is NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

**<AKI Tech-EventsGSU\_FA2018-Version V 1.1 Database-Column Name-isDelete- #0072>**

**Description: This Column is used to Notify whether the Row is deleted or not, it has a datatype of INT and it allows NULL.**

Datatype: INT

Allow Nulls : NULL

Status: Implemented

Implementation: Mandatory

### 3.2 Operations, Administration, Maintenance and Provisioning (OAM&P):

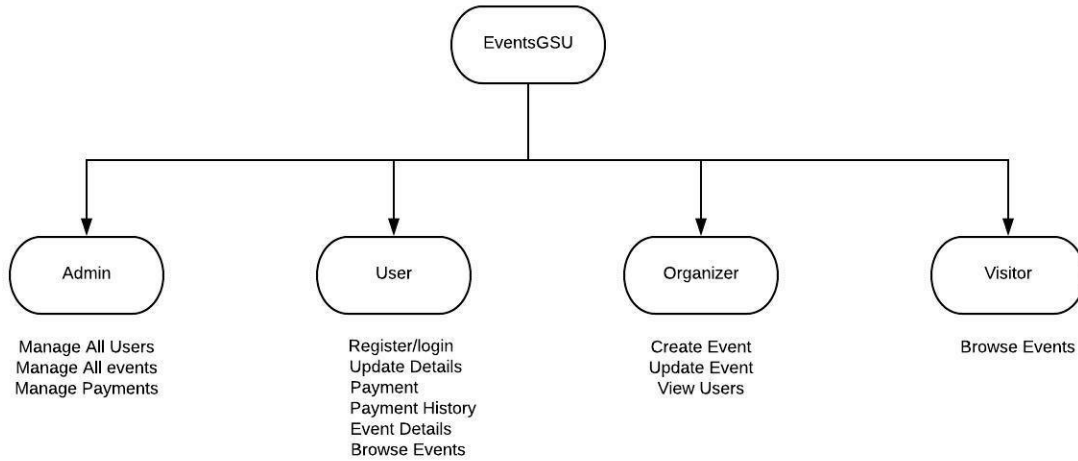


Figure 2 Modules

### 3.3 Security and Fraud Prevention:

We done our project with the Entity Framework which is more secure and helps to prevent the Sql injection attacks. It helps to prevent the identity tampering and any miss use of the EventGSU portal. In this portal Admin has Complete access if any user or organizer misusing the portal he can delete and flag the user or organizer.

### 3.4 Release and Transition Plan:

- Buy a domain name and host the website.
- Backup data regularly.
- Do the testing and make sure every module and page works.

#### 4. Project Design Description:

This diagram is the class diagram which describe the relation between modules.

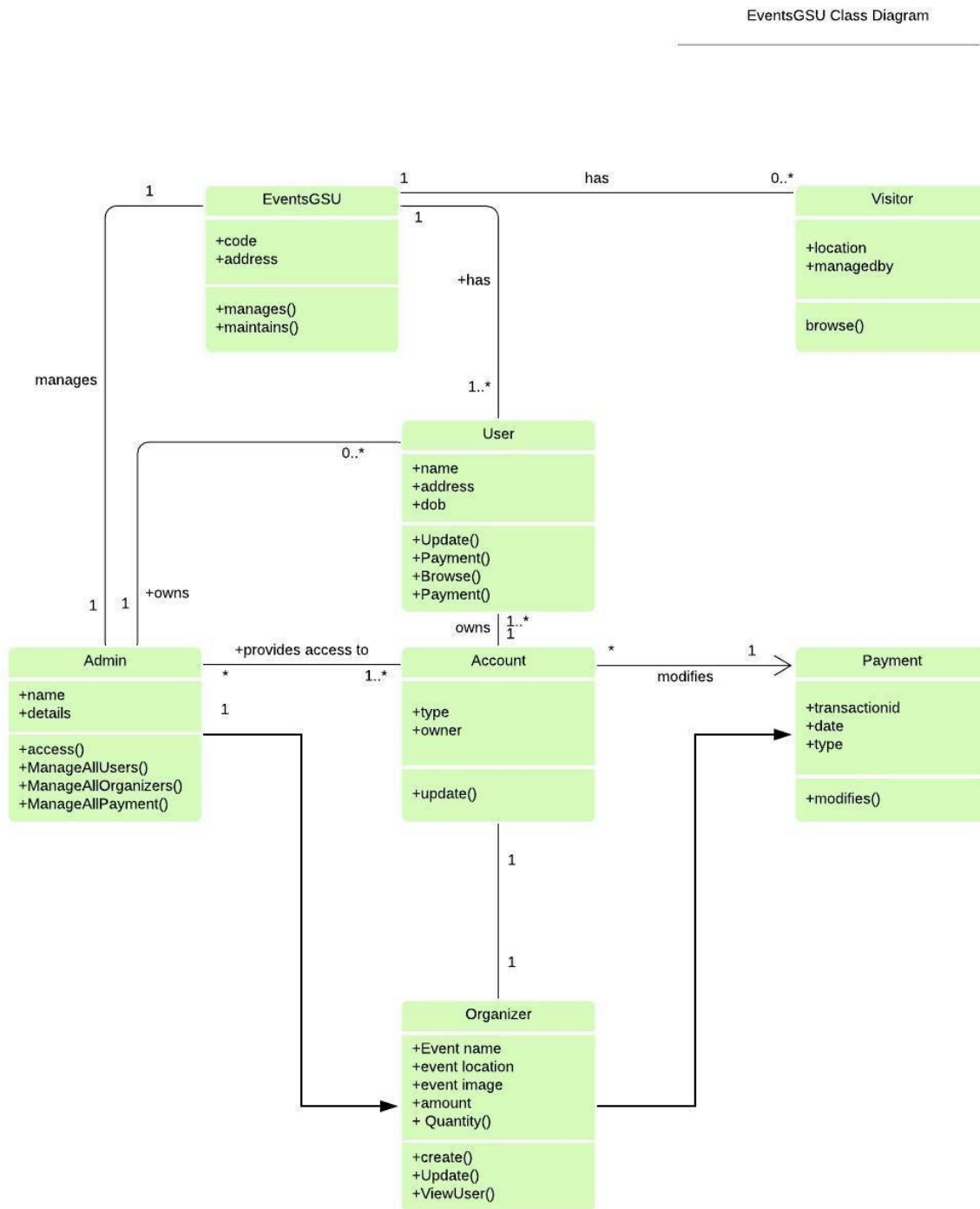


Figure 3 Class Diagram



This diagram describe the actors, entity and relation between them.

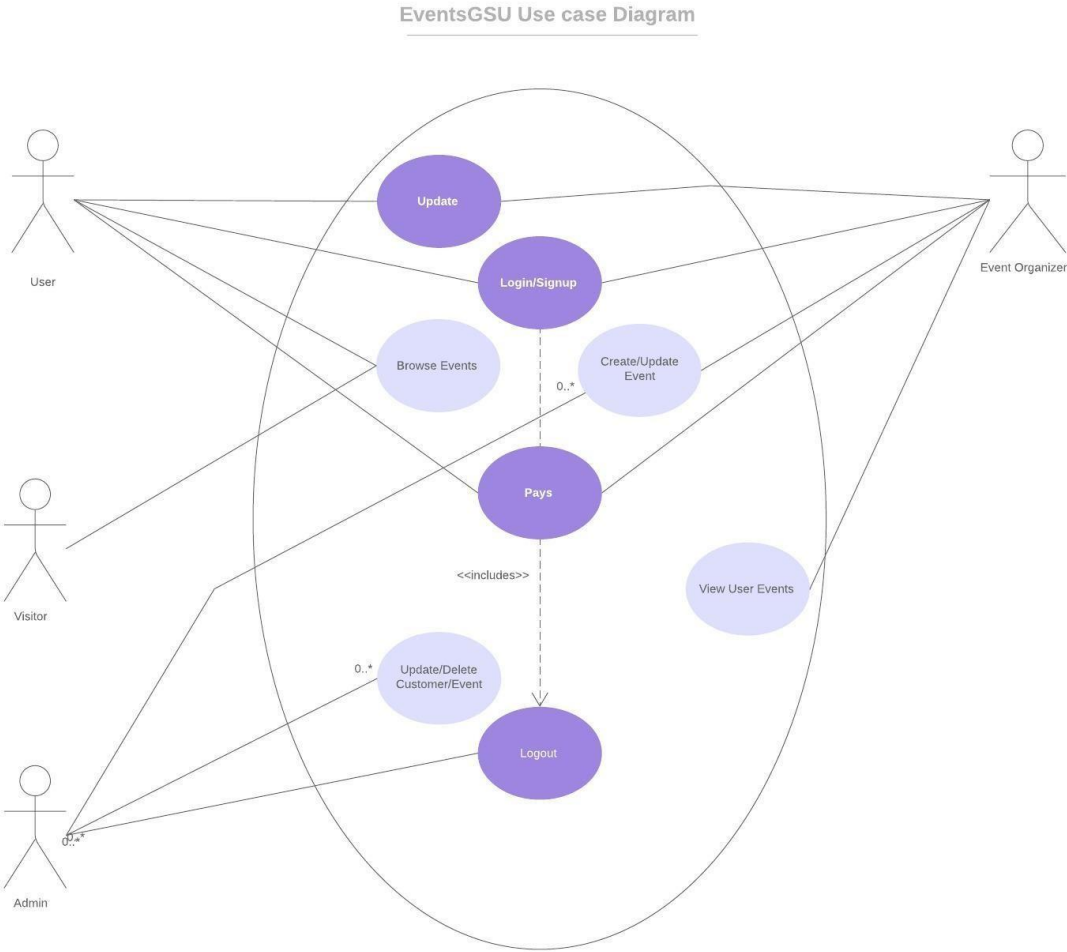


Figure 4 Use case Diagram

This is the class diagram which shows the detailed relationship of classes between user and organizer.

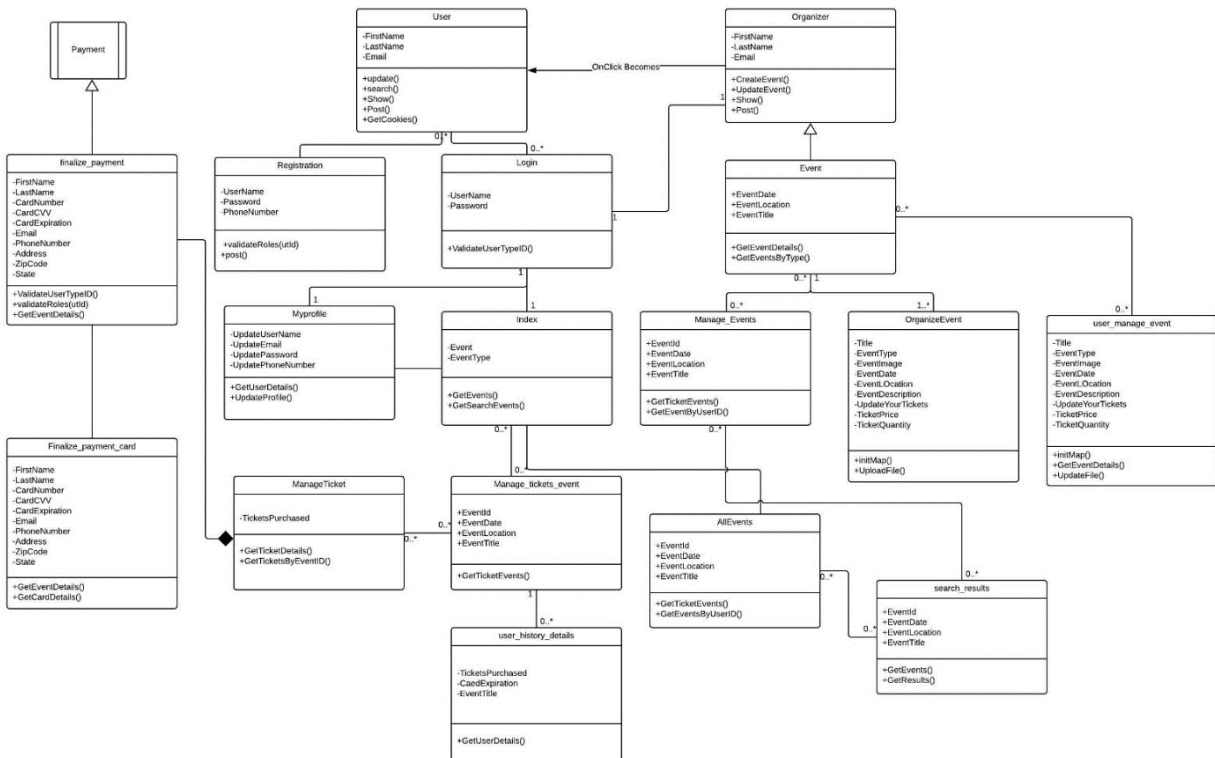


Figure 5 Class diagram for user and organizer

This is the class diagram which shows the detailed relationship for admin.

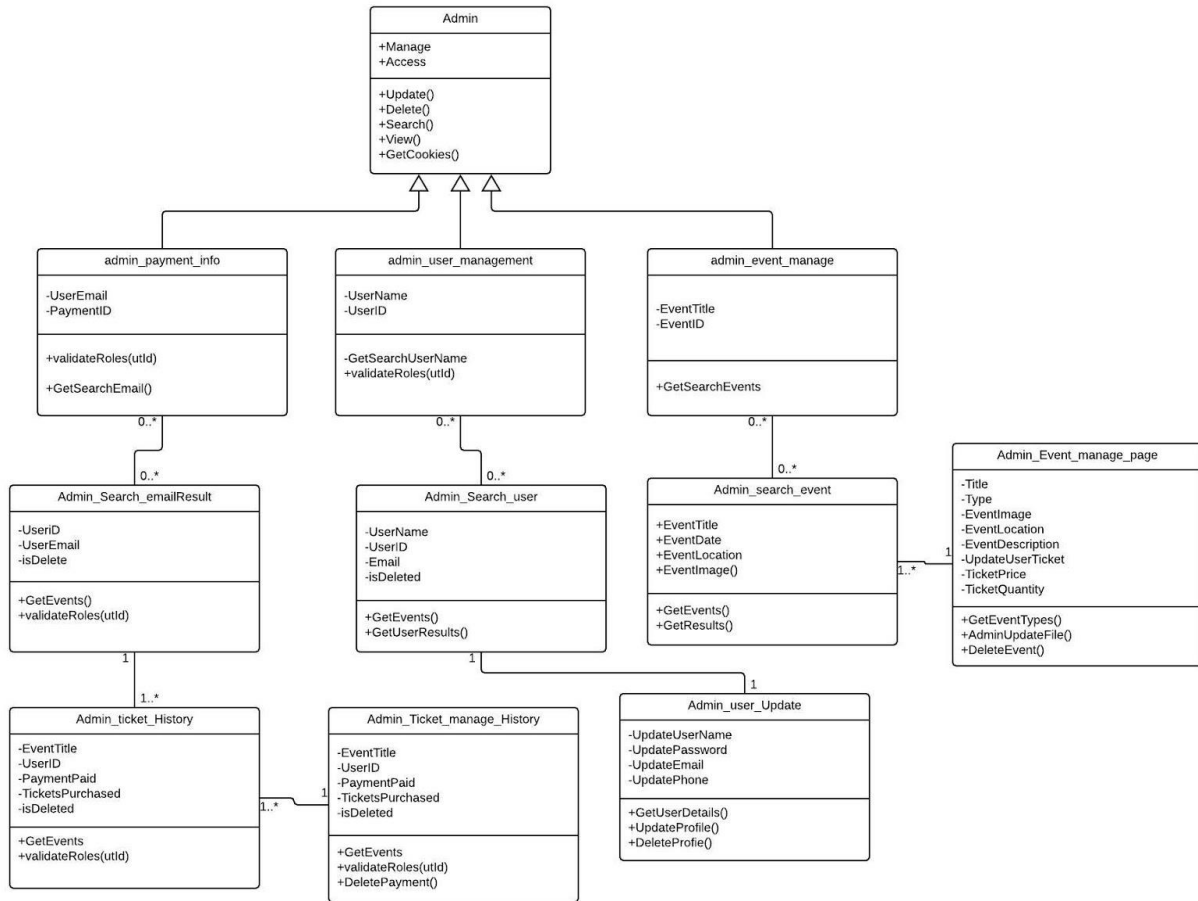


Figure 6 class diagram for admin

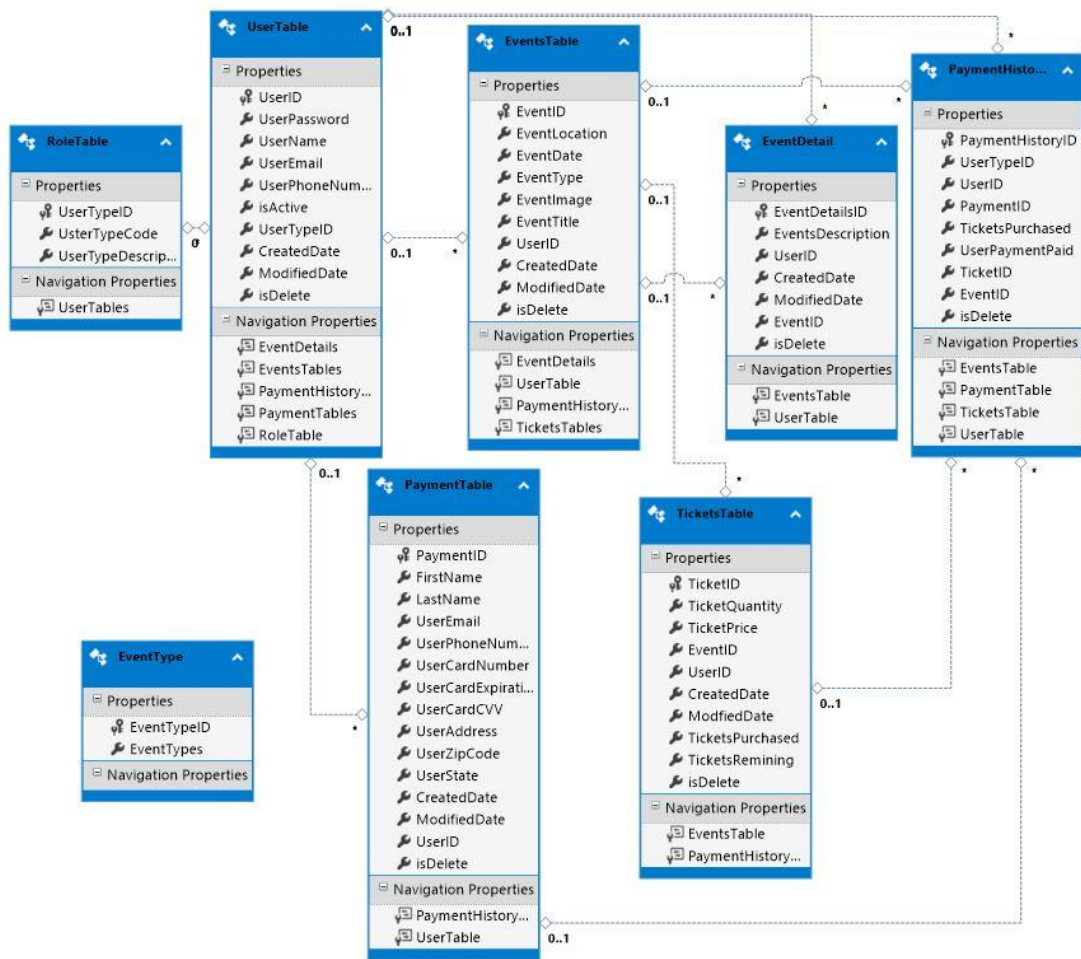


Figure 7 E-R Diagram

this E-R diagram shows the relationship between tables in database.

## 5. *Design Units Impacts*

### 5.1 *Functional Overview:*

Admin: Admin can have all access to the EventsGSU portal. The following are different Functionalities for admin.

- Manage User: Admin can manage users by Username and can perform operations like update and delete
- Manage event: Admin can manage events by event title and can perform operations like update and delete. But he cannot create an event.
- Manage payment: Admin can manage Payment history by Email and can perform delete operation.

User: User has a limited access to EventsGSU portal. The following are the different functionalities for user.

- Register: User can register in EventGSU by providing credentials like Name, Username, Password and mobile Number.
- Login: User can login with Username and password.
- My profile: User has My profile in which he can update his details in it.
- Browse events: User can browse events by Event title and event type.
- Payment: User can make a payment for tickets.
- Manage Payment History: User can view the Payment History of what he purchased.
- Organize Events: User can become an organizer by Clicking Become an organizer button.

Organizer: Organizer has limited access to EventsGSU portal. The following are different Functionalities for Organizer.

- Create Event: After becoming an organizer. He can create an event by giving details like Event title, Event date, Event image, Event Location, Tickets Quantity and ticket Price.
- Manage Events: Organizer can Manage events by event title and can update the events.
- Manage User events: Organizer can manage User events by event id and can know whom are coming to the event by first name.

Visitor: Visitor only can browse events by event title and event type.

Master Page Functionality:

1)Site. Master: This Page has the header and the footer which runs throughout the website and Contains the Security Code in the Site.master.cs

Methods : getCookie(), DestroyCookie()

JavaScript: MsAjaxBundle, jquery, bootstrap, jquery.cookie-1.4.1.min.js", eventData.js, WebForms.js,

WebUIValidation.js, MenuStandards.js, GridView.js, DetailsView.js, TreeView.js, WebParts.js, Focus.js

## Pages Functionality:

### 1) Page.About.aspx:

Description: This page describe about the EventGSU.

Methods: getCookies(), validateRoles().

Api: None.

```
/*display info about EventGSU*/
```

### 2)Page.Contact.aspx:

Description: This page shows the contact numbers.

Methods: getCookies(), validateRoles().

api: None.

```
/*display contact numbers*/
```

### 3)Page.Index.aspx:

Description: this page navigates to the index page which display all event.

Methods: getCookies(), validateRoles(), GetEvents().

api: EventsGSUBusinessLibrary/api/register/getsearchevents,  
EventsGSUBusinessLibrary/api/register/GetEventTypes,  
EventsGSUBusinessLibrary/api/register/getEvents.

```
/*getevents()-search by event, by type , all events.
```

```
$.ajax (get search events) - api/register/GetEventTypes
```

```
get event types
```

```
*/
```

### 4)Page.Login.aspx:

Description: this page allows user to login with their credentials.

Methods: getCookies(), validateRoles(), ValidateUserID().

api: EventsGSUBusinessLibrary/api/register/userLogin.

```
/* validateroles()
```

```
validateusertypeid()
```

```
Log in with user credentials
```

```
if login success reference to account/index
```

```
creates User cookies of UserID and UserTypeID
```

```
*/
```

5)Page.Logout.aspx:

Description: this page allows user to logout.

Methods: getCookies(), validateRoles(), destroycookies().

api: None.

```
/* logs out from user id, validateRoles
```

```
Destroy the Cookies of UserID and UserTypeID
```

```
*/
```

6)Page.Manage\_Tickets\_events.aspx:

Description: this page shows all the purchased events by user.

Methods: getCookies(), validateRoles(), GetTicketEvents().

api: EventsGSUBusinessLibrary/api/register/GetEventByUserID.

```
/*validateroles
```

```
getticketevents() shows events by user id, mangae tickets by event id
```

```
View User Ticket Buy History on the Event Selected
```

```
*/
```

7)Page.ManageTicket.aspx:

Description: this page shows the tickets purchased with first and last name.

Methods: getCookies(), GetTicketDetails(), validateRoles().

api: EventsGSUBusinessLibrary/api/register/GetTicketsByEventID.

```
/*
```

```
getticketdetails() - get tickets by event id
```

```
validateroles()
```

```
*/
```

8)Page.MyProfile.aspx:

Description : This page brings the user profile and allows to update profile details.

Methods: getCookies(), validateRoles(),GetUserDetails().

api: EventsGSUBusinessLibrary/api/register/UpdateProfile,  
EventsGSUBusinessLibrary/api/register/GetUserInfobyID?UserID.

```
/*Manage Profile / User Info
```

```
validateroles()
```

```
getuserdetails() by user id
```

```
only update profile
```

```
*/
```

9)Page.Organizer\_registration.aspx:

Description : this page allows user to be an organizer.

Methods: getCookies(), validateRoles(), GetUserDetails(), writebutton().

api: EventsGSUBusinessLibrary/api/register/UpdateUserType,  
EventsGSUBusinessLibrary/api/register/GetUserInfobyID?UserID.

```
/*validateroles()
```

```
writebutton()
```

```
getuserdetails()
```

```
Become Organizer from visitor by clicking button_organizer.
```

```
*/
```

10)Page.Registration.aspx:

Description: this page alllows visitor to create an login credentials.

Methods: getCookies(), validateRoles().

api: EventsGSUBusinessLibrary/api/register/register.

```
/*validateroles()
```

```
Creates a User
```

```
forward to login
```

```
*/
```

11)Page.User\_history\_details.aspx:

Description: this page shows a history of the user who have purchas tickets by the event.

Methods: getCookies(), validateRoles().

api: EventsGSUBusinessLibrary/api/register/GetUserDetails?UserID.

```
/*validateroles()
```

```
User Purchase History
```

```
*/
```

12)Page.admin\_event\_manage.aspx:

Description: this page allows admin to search events by the event title.

Methods: getCookies(), validateRoles().

api: EventsGSUBusinessLibrary/api/register/getsearchevents.

```
/*validateroles()
```

```
get search events
```

```
search click forward
```

```
to "Admin_search_event.aspx"
```

```
*/
```



13) Page.Admin\_Event\_manage\_Page.aspx:

Description: this page allows admin to update or delete events.

Methods: getCookies(), validateRoles(), GetEventDetails().

api: EventsGSUBusinessLibrary/api/register/GetEventTypes  
EventsGSUBusinessLibrary/api/register/AdminUpdateFile  
EventsGSUBusinessLibrary/api/Delete/DeleteEvent  
EventsGSUBusinessLibrary/api/admin/GetAdminDetailsById?eventId  
maps.googleapis.com/maps/api

```
/*init map()
get event types to textbox
validateroles()
geteventdetails() get admin event details by event id
uplaod image file - admin upadte file (for both update and delete)
delete event.
*/
```

14)Page.admin\_payment\_info.aspx:

Description: this page allows admin to see a payment information of user by email address.

Methods: getCookies(), validateRoles().

api: EventsGSUBusinessLibrary/api/admin/GetSearchEmail.

```
/*
validateroles()
search by email-show a list of email
forward to Admin_Search_emailResults.aspx
*/
```

15)Page.Admin\_Search\_emailResults.aspx:

Description: this page allows admin to see allevents registered by users through email address.

Methods: getCookies(), validateRoles(), GetEvents().

api: EventsGSUBusinessLibrary/api/admin/GetEmailResults.

```
/*
validateroles()
getevents() get all events by selected email address
forward to Admin_ticket_History.aspx when you click by userid
*/
```

16)Page.Admin\_ticket\_History.aspx:

Description: this page allows admin to see events purchased by user.

Methods: getCookies(), validateRoles(), GetEvents().

api: EventsGSUBusinessLibrary/api/admin/GetAdminPurchaseInfoByID.

```
/*validareroles()
```

```
getevents(): get the result for admin purchase info by user id
```

```
writable() : references to Admin_Ticket_manage_History.aspx
```

```
*/
```

17)Page.Admin\_Search\_user.aspx:

Description: this page allows admin to search user.

Methods: getCookies(), validateRoles(), GetEvents().

api: EventsGSUBusinessLibrary/api/admin/GetUserResults.

```
/*
```

```
validateroles()
```

```
getevents() : get admin user result
```

```
writable(): references to Admin_user_Update.aspx
```

```
*/
```

18)Page.Admin\_search\_event.aspx:

Description: this page allows admin to see all events.

Methods: getCookies(), validateRoles(), GetEvents().

api: EventsGSUBusinessLibrary/api/register/GetResults.

```
/* validateRoles()
```

```
getevents(): success then reference to /Events/Event.aspx
```

```
 : else error message
```

```
writable(): references to the Admin_Event_manage_Page.aspx
```

```
*/
```

19)Page.Admin\_Ticket\_manage\_History.aspx:

Description: this page allows admin to delete payment on selected event of user.

Methods: getCookies(), validateRoles(), GetUserDetails().

api: EventsGSUBusinessLibrary/api/Delete/Deletepayment.

```
/*validareroles()
```

```
getuserdetails() : GetPurchaseListAdmin by UserID
```

```
Delete Payment : api/delete/deletepayment
```

```
*/
```

20)Page.admin\_user\_management.aspx:

Description: this page allows admin to see the user details for select user through dropdown list.

Methods: getCookies(), validateRoles().

api: EventsGSUBusinessLibrary/api/admin/GetSearchUserName.

```
/*validareroles()
```

```
call to api/admin/GetSearchUserName in dd list
```

```
on select user name search for selected user
```

```
then forward reference to Admin_Search_user.aspx
```

```
*/
```

21)Page.Admin\_user\_Update.aspx:

Description: this page allows admin to upadte or delete user profile.

Methods: getCookies(), validateRoles(), GetUserDetails().

api: EventsGSUBusinessLibrary/api/register/UpdateProfile,

EventsGSUBusinessLibrary/api/delete/DeleteProfile,

EventsGSUBusinessLibrary/api/admin/GetUserInfobyIDAdmin?UserID.

```
/*validareroles()
```

```
getuserdetails() - calls to api/admin/GetUserInfobyIDAdmin?UserID
```

```
update profile : calls to api/register/UpdateProfile
```

```
delete user : calls to api/delete/DeleteProfile
```

```
*/
```

22)Page.AllEvents.aspx :

Description: this page display all the events created by organizers.

Methods: getCookies(), validateRoles(), GetEvents().

api: EventsGSUBusinessLibrary/api/register/getEvents.

```
/*validareroles()
```

```
getevent() : call to /api/register/getEvents
```

```
success : redirect to Events/Event.aspx
```

```
: error message
```

```
writable() : display all events
```

```
*/
```

### 23)Page.Event.aspx:

Description: this page allow user to see the selected event and allows to see more similer events.

Methods: getCookies(), validateRoles(), GetEventDetails().

api: EventsGSUBusinessLibrary/api/register/getdetailsbyid?eventId,  
EventsGSUBusinessLibrary/api/register/GetEventByTypes?EventType,  
maps.googleapis.com/maps/api.

```
/*  
validareroles()  
geteventdetails() : call to api/register/getdetailsbyeventid  
success: redirect to Payment/finalize_payment.aspx  
else : error message  
$('#getSimEvents').click(function () : api/register/GetEventByTypes?EventType  
*/
```

### 24) Page.Manage\_Events.aspx:

Description: this page allows to see events by the user id.

Methods: getCookies(),validateRoles(), GetTicketEvents().

api: EventsGSUBusinessLibrary/api/register/GetEventByUserID?UserID.

```
/*  
validareroles()  
getticketevents() : api/register/GetEventByUserID?UserID  
success : event/event.aspx  
writable() : redirect to user_manage_event.aspx  
*/
```

### 25) Page.OrganizeEvent.aspx:

Description: this page allows to create new event.

Methods: getCookies().

api: EventsGSUBusinessLibrary/api/register/GetEventTypes,  
EventsGSUBusinessLibrary/api/register/UploadFile,  
maps.googleapis.com/maps/api.

```
/*  
$('#btnUploadFile').on('click', function ())  
$.ajax({ api/register/UploadFile}).done(function (result) : redirect to Events/Manage_Events  
*/
```

### 26)Page.Search\_results.aspx:

Description: this page can search events.

methods: getCookies(), validateRoles(), getEvents().

api: EventsGSUBusinessLibrary/api/register/GetResults.

27)Page.user\_manage\_event.aspx:

Description: this page can update the existing event. this page calls to 3 api.

methods: getCookies(), getEventDetails(), validateRoles().

api: EventsGSUBusinessLibrary/api/register/UpdateFile,  
EventsGSUBusinessLibrary/api/register/GetDetailsById?eventId,  
maps.googleapis.com/maps/api.

28)Page.finalize\_payment.aspx:

Description: this page can allow user to start payment process on selected event.

methods: getCookies(), ValidateUserID(), validateRoles(), GetEventDetails().

api: EventsGSUBusinessLibrary/api/register/getdetailsbyid?eventID,  
EventsGSUBusinessLibrary/api/payment/paymentv.

29)Page.Finalize\_payment\_card.aspx:

Description: this page allows user to make final payment on the selected event using stored card details .

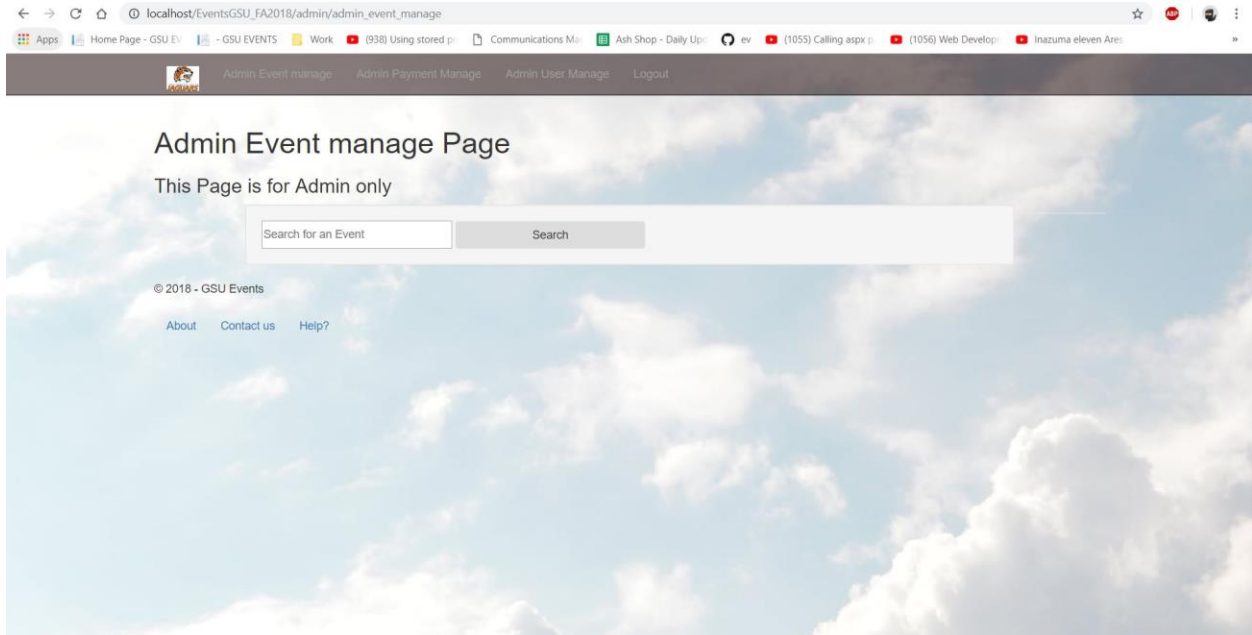
methods: getCookies(), ValidateUserID(), validateRoles(), GetEventDetails(),  
GetCardDetails().

api : EventsGSUBusinessLibrary/api/register/getdetailsbyid?eventID,  
EventsGSUBusinessLibrary/api/payment/PaymentWithcard,  
EventsGSUBusinessLibrary/api/register/GetCardDetails?UserID.

## 6. Screen Layouts:

### Admin Panel:

#### 1) Admin event manage page:



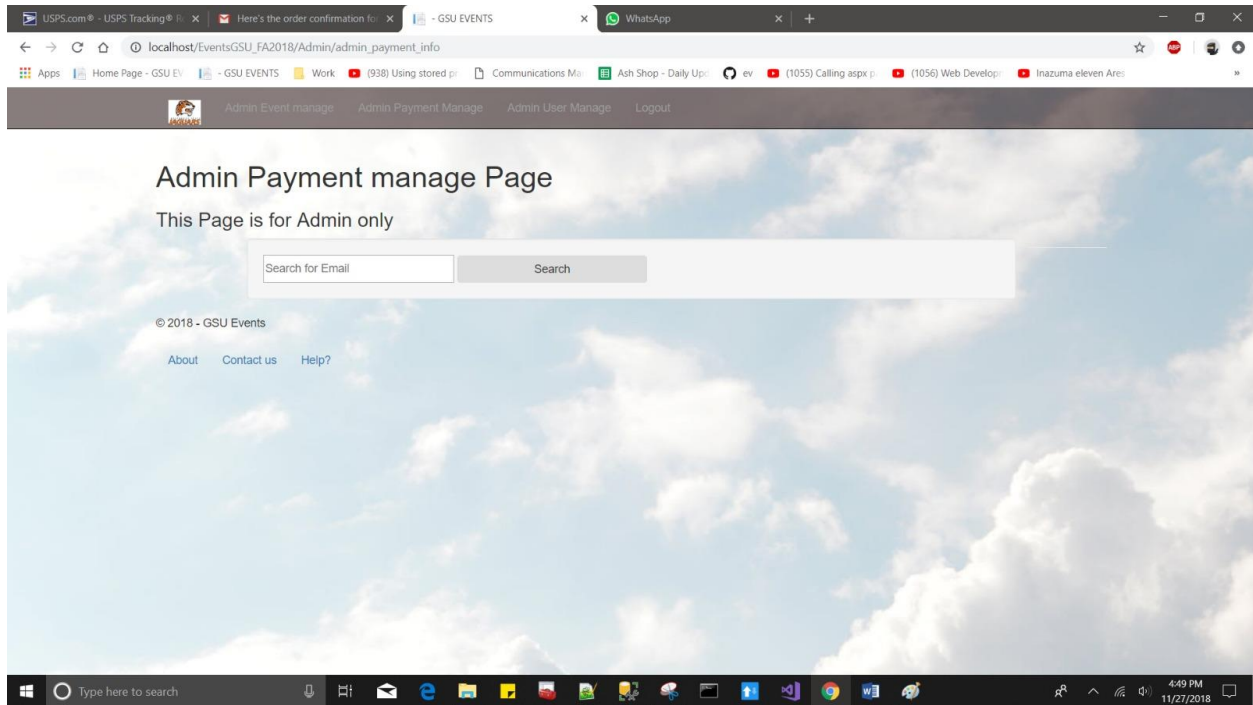
## 2) Admin event update page:

The screenshot displays a web application interface for updating an event. The browser window shows the URL `localhost/EventsGSU_FA2018/admin/Admin_Event_manage_Page?eventID=141`. The page title is "Update your Event". The form contains the following fields:

- Title:** dance competition
- Type:** Art
- Event Image:** Select File to Upload: `UploadedFiles/d5cfd1fd-5f6f-4059-9f19-a44cd385b960.jpg` | Choose File | No file chosen
- Event Date:** 2018-11-28
- Event location:** 123 North Clark Street, Chicago, IL, U

Below the location field, a map of Chicago is displayed, showing the location of the event. The map includes labels for various neighborhoods and landmarks such as Union Park, Millennium Park, and the Museum of Contemporary Art. The Windows taskbar at the bottom indicates the system time is 2:35 PM on 11/27/2018.

### 3) Admin Payment manage page:





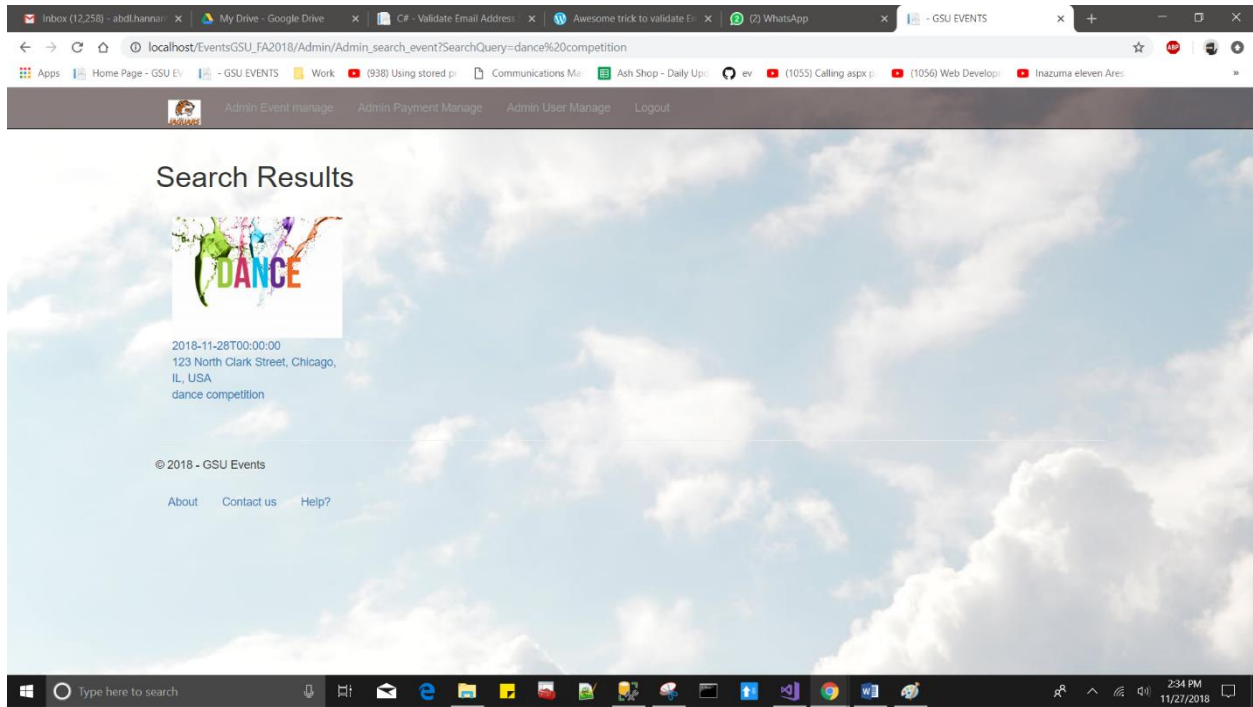
#### 4) Admin Search Email Result:

The screenshot shows a web browser window with the URL `localhost/EventsGSU_FA2018/Admin/Admin_Search_emailResults?SearchQuery=hannan34@gmail.com`. The page title is "User Search results". Below the title is a table with the following data:

UserID	Email	IsDeleted
21	hannan34@gmail.com	0
21	hannan34@gmail.com	0
21	hannan34@gmail.com	0

At the bottom of the page, there is a copyright notice: "© 2018 - GSU Events" and a navigation menu with links for "About", "Contact us", and "Help?". The browser's taskbar at the bottom shows the time as 2:36 PM on 11/27/2018.

## 5) Admin search event:

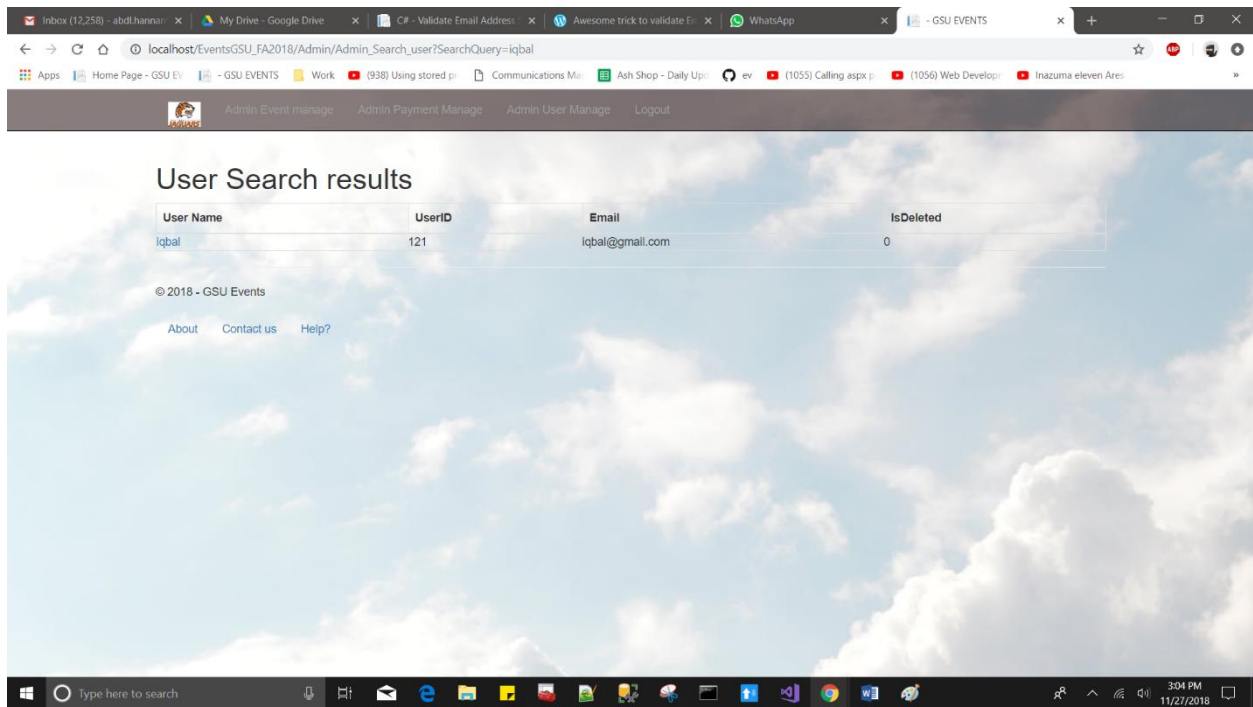


The screenshot shows a web browser window with the following details:

- Browser Tabs:** Includes "Inbox (12,258)", "My Drive - Google Drive", "CP - Validate Email Address", "Awesome trick to validate E...", "WhatsApp", and "GSU EVENTS".
- Address Bar:** Shows the URL: `localhost/EventsGSU_FA2018/Admin/Admin_search_event?SearchQuery=dance%20competition`.
- Navigation Bar:** Contains links for "Admin Event manage", "Admin Payment Manage", "Admin User Manage", and "Logout".
- Search Results:**
  - Title:** Search Results
  - Image:** A colorful graphic with the word "DANCE" in the center, surrounded by abstract shapes and lines.
  - Event Details:**
    - Date: 2018-11-26T00:00:00
    - Location: 123 North Clark Street, Chicago, IL, USA
    - Category: dance competition
- Footer:**
  - Copyright: © 2018 - GSU Events
  - Links: [About](#), [Contact us](#), [Help?](#)

The background of the page is a light blue sky with white clouds. The Windows taskbar at the bottom shows the search bar, task view, and various application icons, with the system tray displaying the time as 2:34 PM on 11/27/2018.

## 6) Admin Search user:

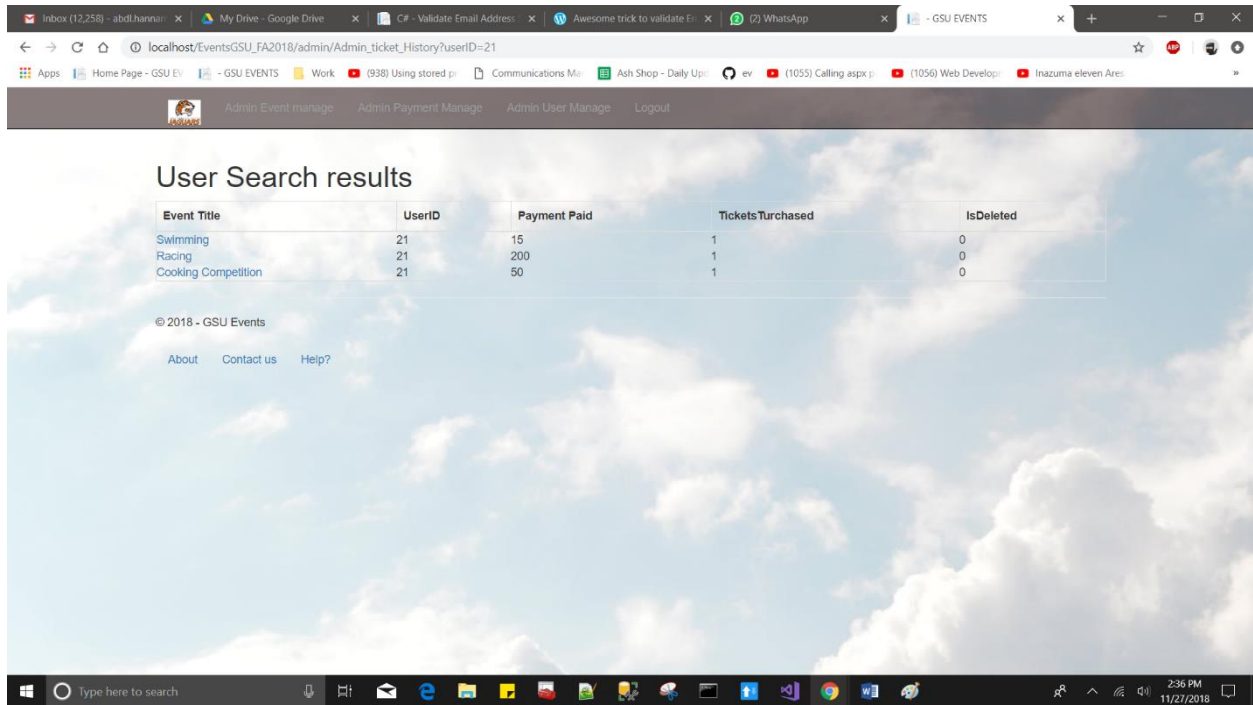


The screenshot shows a web browser window with the URL `localhost/EventsGSU_FA2018/Admin/Admin_Search_user?SearchQuery=iqbal`. The page displays the following table:

User Name	UserID	Email	IsDeleted
iqbal	121	iqbal@gmail.com	0

Below the table, the text "© 2018 - GSU Events" is visible, along with links for "About", "Contact us", and "Help?". The browser's taskbar at the bottom shows the time as 3:04 PM on 11/27/2018.

## 7) Admin ticket history:



The screenshot shows a web browser window with the URL `localhost/EventsGSU_FA2018/admin/Admin_ticket_History?userID=21`. The page displays 'User Search results' for user ID 21. The results are shown in a table with the following data:

Event Title	UserID	Payment Paid	Tickets Purchased	IsDeleted
Swimming	21	15	1	0
Racing	21	200	1	0
Cooking Competition	21	50	1	0

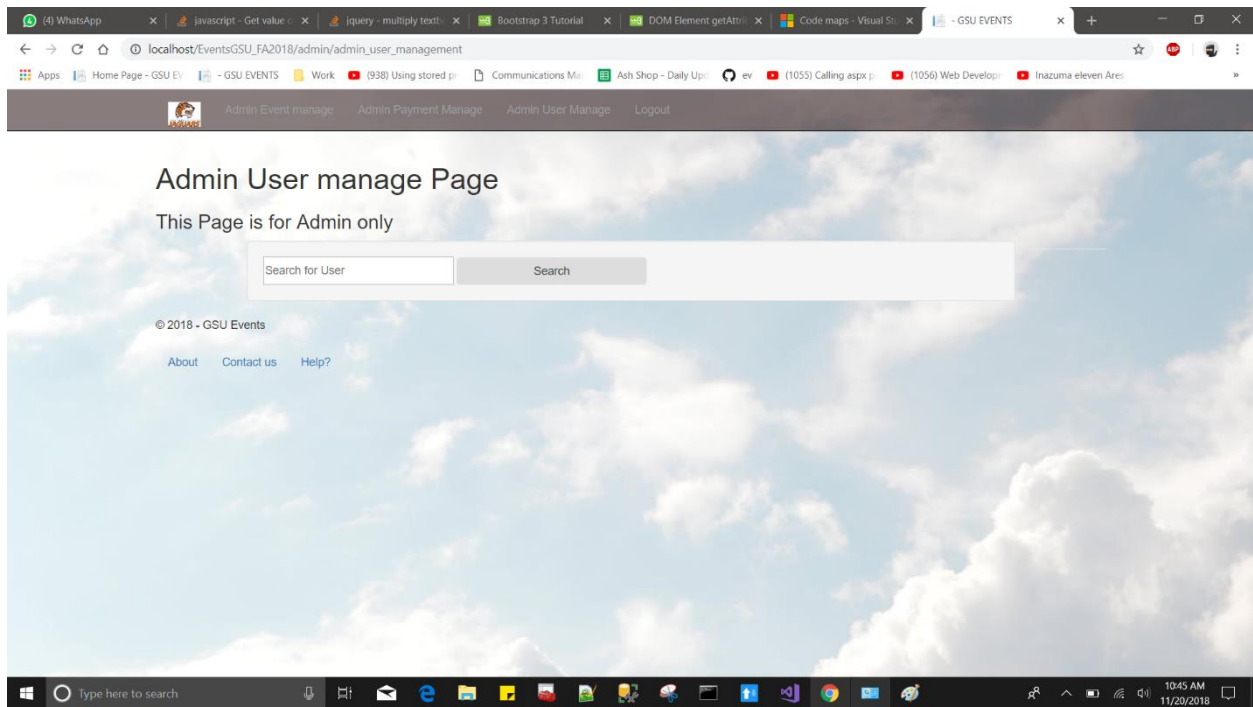
Below the table, there is a copyright notice: © 2018 - GSU Events. At the bottom of the page, there are links for 'About', 'Contact us', and 'Help?'. The browser's taskbar at the bottom shows the time as 2:36 PM on 11/27/2018.

## 8) Admin ticket manage history:

The screenshot shows a web browser window with the following details:

- Browser tabs: Inbox (12,258) - abdl.hanna..., My Drive - Google Drive, CP - Validate Email Address..., Awesome trick to validate E..., (2) WhatsApp, - GSU EVENTS.
- Address bar: localhost/EventsGSU\_FA2018/admin/Admin\_Ticket\_manage\_History?userId=21&EventTitle=Swimming
- Navigation bar: Admin Event manage, Admin Payment Manage, Admin User Manage, Logout.
- Page Title: User Ticket Portal
- Form Fields:
  - Event Title : Swimming
  - Tickets Purchased : 1
  - UserID : 21
  - Payment paid : 15
  - is Delete : 0
- Action Button: Delete payment
- Footer: © 2018 - GSU Events, About, Contact us, Help?
- Taskbar: Windows taskbar with search bar, icons for Mail, Edge, File Explorer, etc., and system tray showing 2:37 PM, 11/27/2018.

## 9) admin user manage:



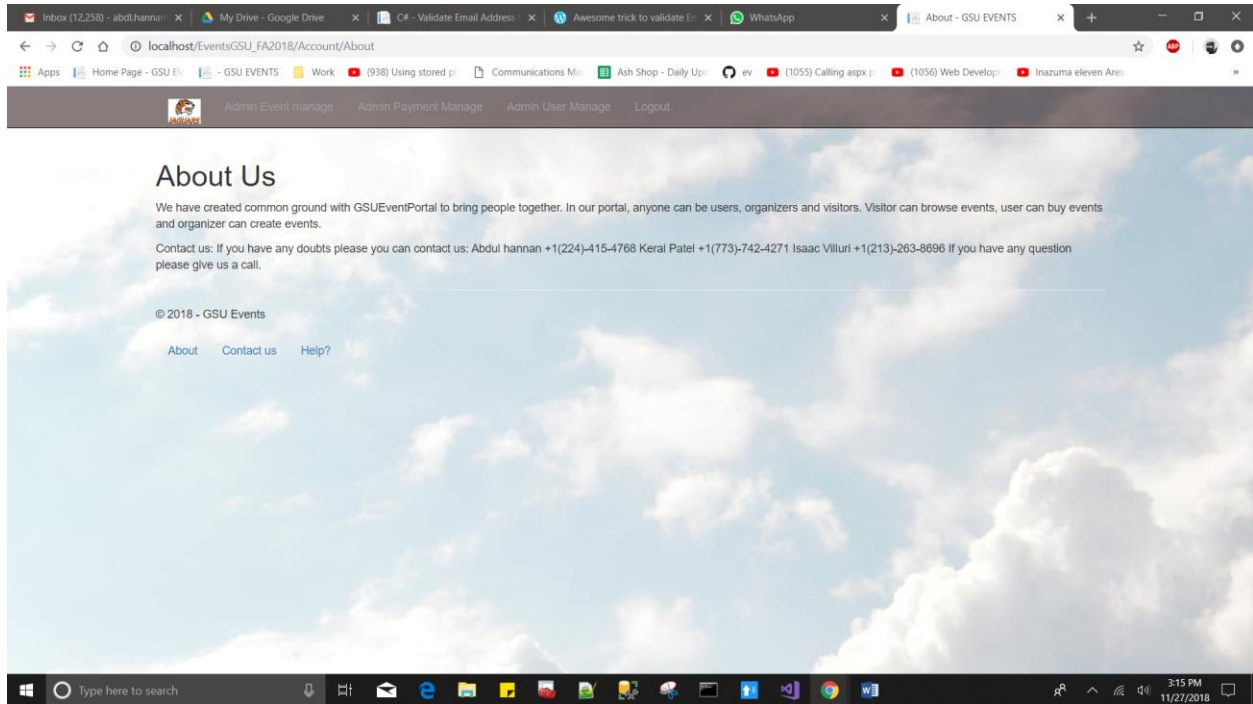
## 10) admin user Update portal:

The screenshot shows a web browser window with the following details:

- Browser Tabs:** Includes 'Inbox (12,258) - abdl.hanna...', 'My Drive - Google Drive', 'CP - Validate Email Address', 'Awesome trick to validate E...', 'WhatsApp', and '- GSU EVENTS'.
- Address Bar:** Shows the URL 'localhost/EventsGSU\_FA2018/admin/Admin\_user\_Update/userID=121'.
- Navigation Bar:** Contains links for 'Admin Event manage', 'Admin Payment Manage', 'Admin User Manage', and 'Logout'.
- Page Title:** 'User Update Portal'.
- User Information:**
  - User Name : iqbal
  - Email : iqbal@gmail.com
  - PhoneNumber : 7734335545
- Update Form:**
  - Update User Name :** Input field containing 'iqbal'.
  - Update Password :** Input field with masked characters '\*\*\*'.
  - Update Email :** Input field containing 'jsac'.
  - Update Phone :** Empty input field.
- Buttons:** 'Update Profile' (green) and 'Delete User' (red).
- Footer:** '© 2018 - GSU Events' and links for 'About', 'Contact us', and 'Help?'.
- Taskbar:** Shows the Windows taskbar with the search bar and various application icons. The system tray shows the time '3:13 PM' and date '11/27/2018'.

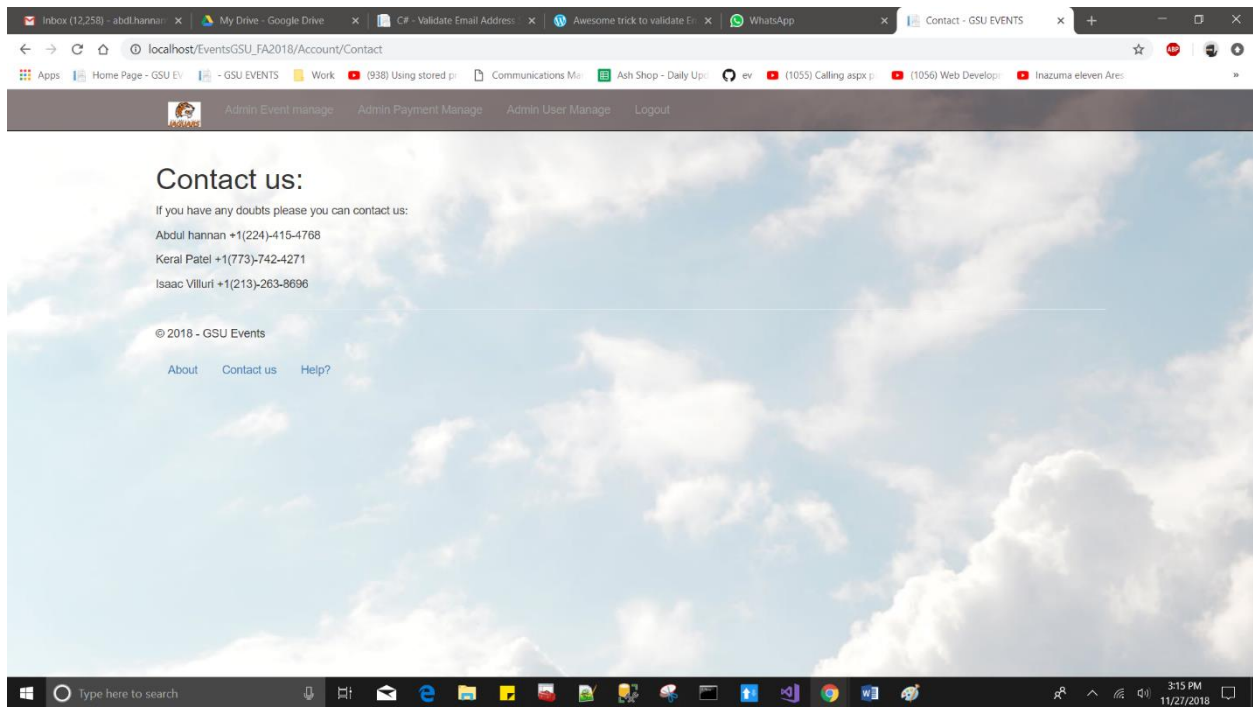
## ***Account Panel:***

### ***11) About page:***

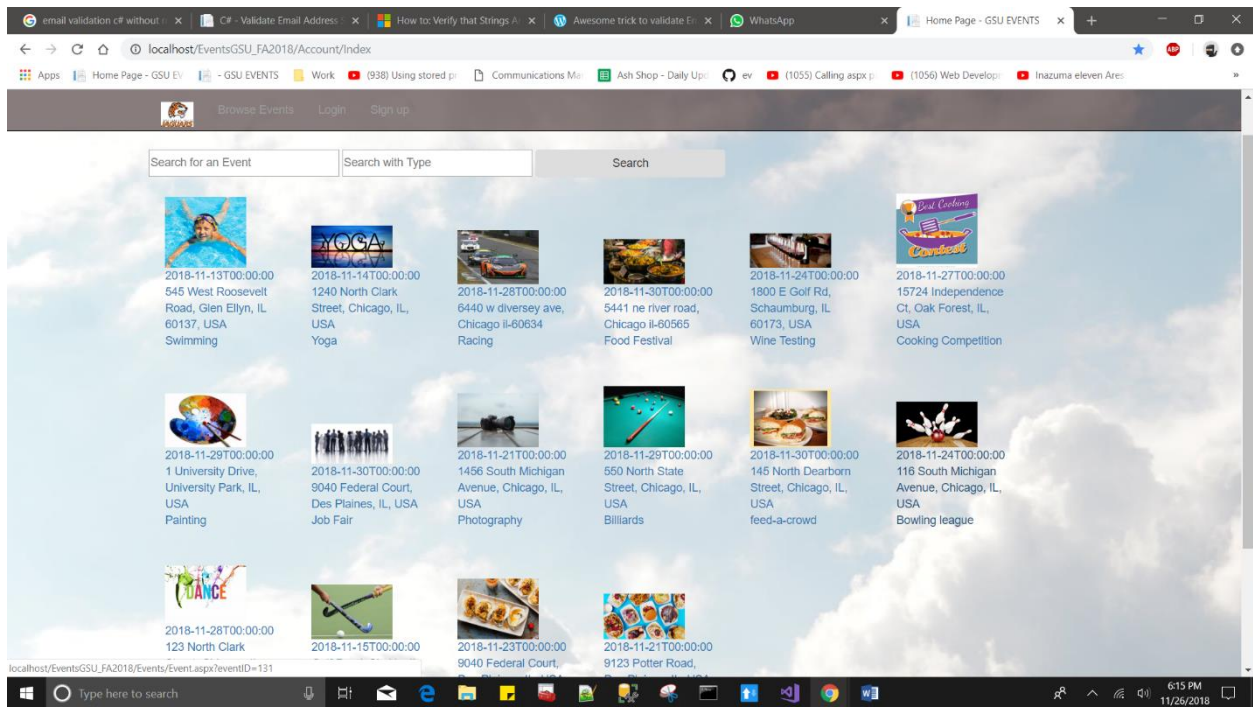




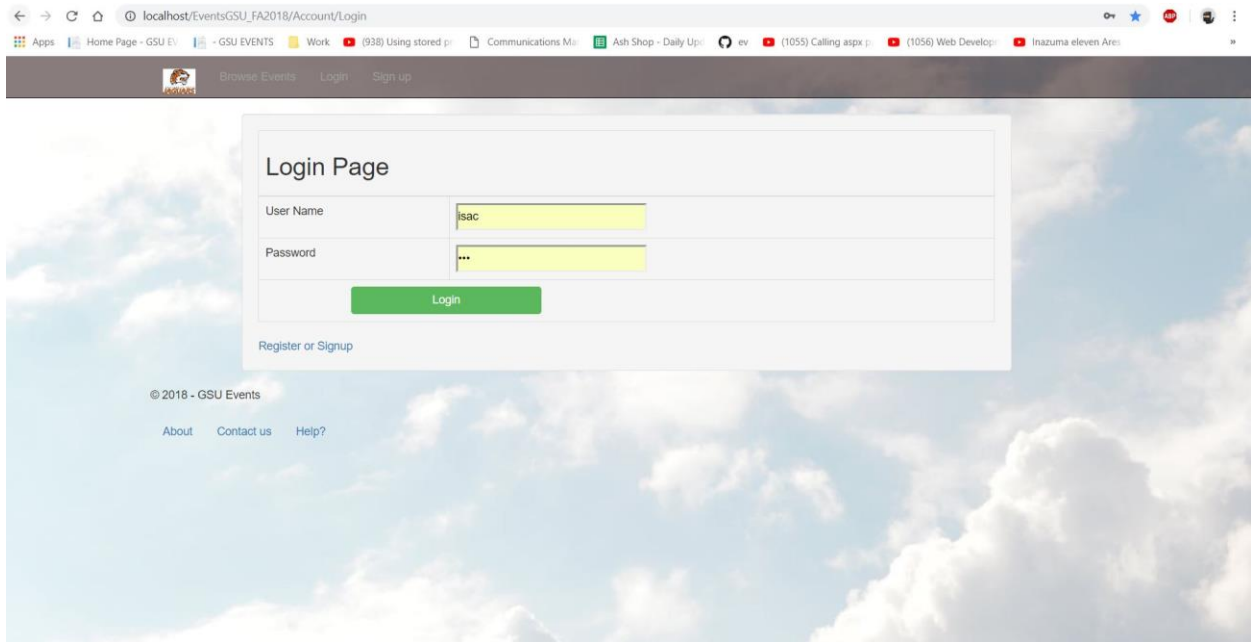
## 12) Contact page:



### 13) Index page:



## 14) Login page:



## 15) Manage ticket:

The screenshot shows a web browser window with the following details:

- Address bar: localhost/EventsGSU\_FA2018/Account/ManageTicket?eventId=21
- Navigation menu: Browse Events, Organize Events, User Details, ManageTickets, Manage Events, My Profile, Logout
- Page Title: Manage Tickets
- Table:

First Name	Last Name	Tickets Purchased
Abdul	hannan	1
bhavya	saxsena	1
FAGSU	GSU	1
FAGSU	GSU	15

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[About](#) [Contact us](#) [Help?](#)

Windows taskbar: Type here to search, 10:48 AM, 11/20/2018

## 16) Manage tickets:

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** email validation c#, C# - Valdate Email Ac..., How to: Verify that St..., Awesome trick to vali..., (1) WhatsApp, - GSU EVENTS, (12) Facebook.
- Address Bar:** localhost/EventsGSU\_FA2018/Account/ManageTicket?eventId=171
- Navigation Bar:** GSU EVENTS logo, Browse Events, Organize Events, User Details, ManageTickets, Manage Events, My Profile, Logout.
- Page Title:** Manage Tickets
- Table:**

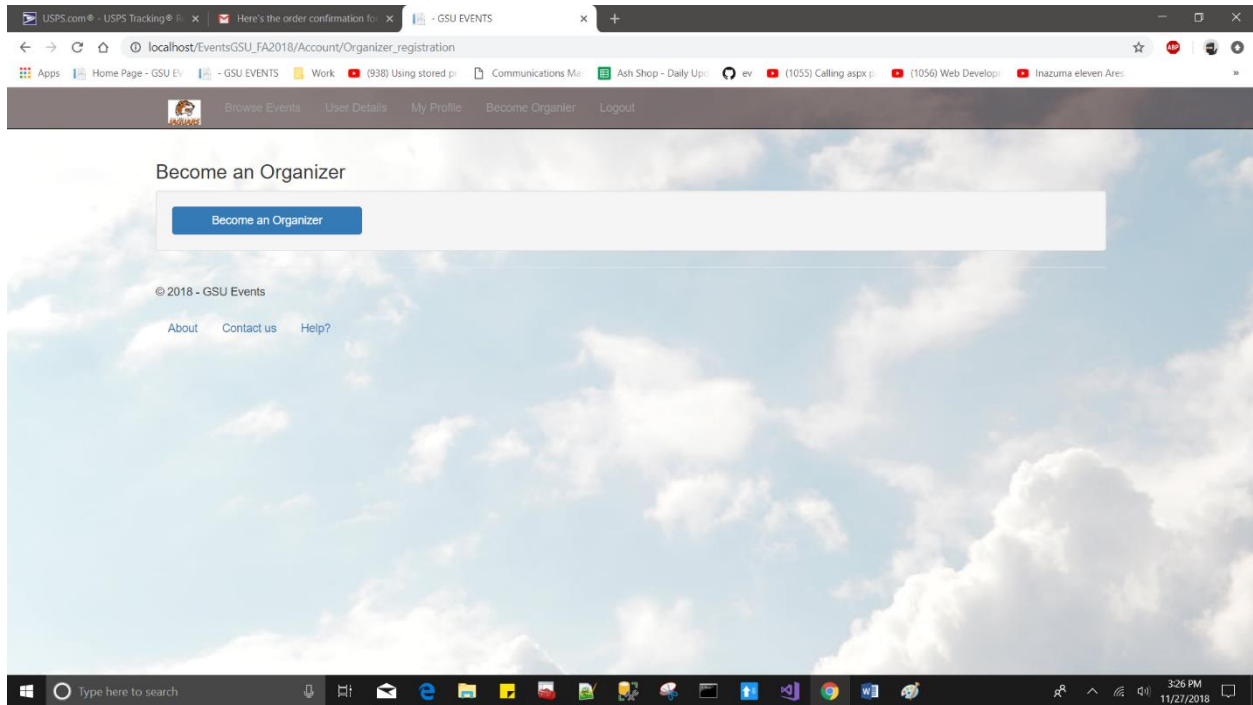
First Name	Last Name	Tickets Purchased
------------	-----------	-------------------
- Footer:** © 2018 - GSU Events, [About](#), [Contact us](#), [Help?](#)
- Taskbar:** Windows search bar, taskbar icons (File Explorer, Edge, Word, etc.), system tray showing 12:27 PM 11/27/2018.

## 17) My Profile:

The screenshot shows a web browser window with the following details:

- Browser Tabs:** USPS.com® - USPS Tracking®, Here's the order confirmation f..., - GSU EVENTS
- Address Bar:** localhost/EventsGSU\_FA2018/Account/MyProfile
- Navigation Menu:** Browse Events, Organize Events, User Details, ManageTickets, Manage Events, My Profile, Logout
- Page Title:** My Profile
- User Information:**
  - User Name :Falzan
  - Email :Falzan@gmail.com
  - PhoneNumber :2244154769
- Update Form:**
  - Update User Name :
  - Update Password :
  - Update Email :
  - Update Phone :
  -
- Footer:**
  - © 2018 - GSU Events
  - [About](#) [Contact us](#) [Help?](#)

## 18) Organizer registration:



## 19) Registration:

The screenshot shows a web browser window with the address bar displaying "localhost/EventsGSU\_FA2018/Account/Registration". The browser's tab bar shows several open tabs, including "Home Page - GSU E...", "GSU EVENTS", "Work", "(938) Using stored p...", "Communications M...", "Ash Shop - Daily Up...", "ev", "(1055) Calling.aspx", "(1056) Web Develop...", and "Inazuma eleven Arc...". The website's header features a logo and navigation links: "Browse Events", "Login", and "Sign up".

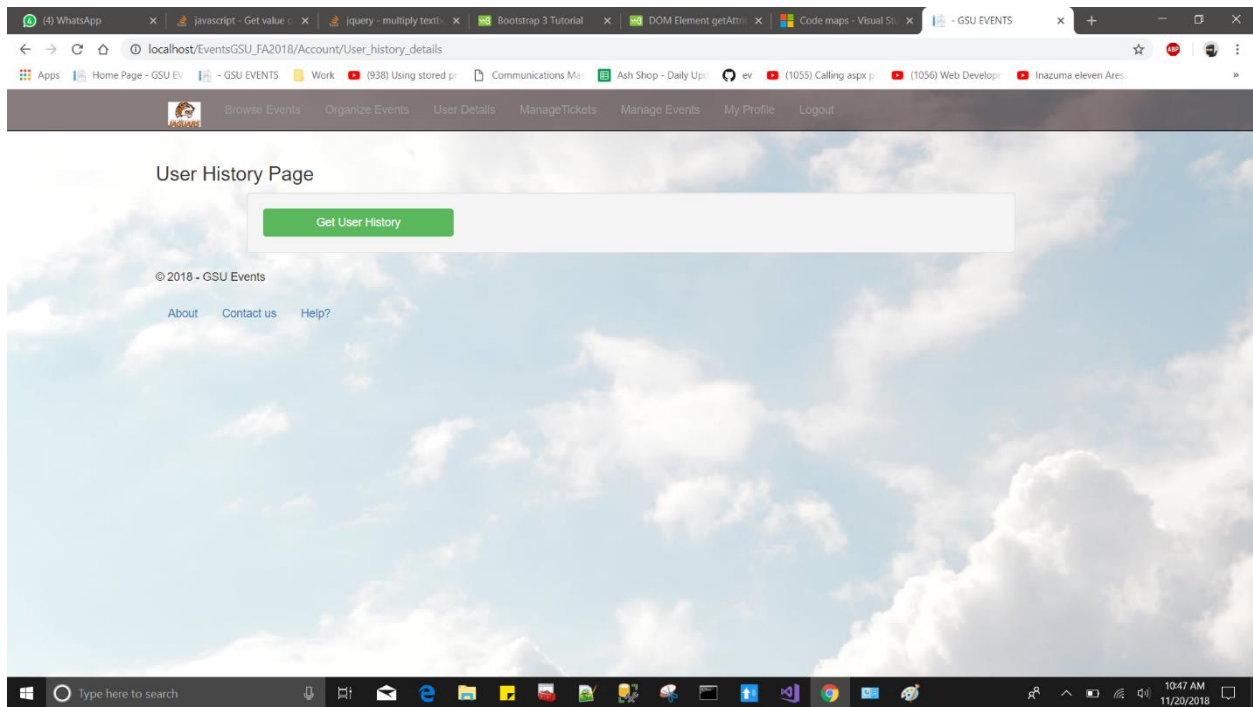
The main content area is titled "Registration Page" and contains a form with the following fields:

User Name	<input type="text" value="isac"/>
Email	<input type="text" value="Email"/>
Password	<input type="password" value="***"/>
Phone Number	<input type="text" value="Phone Number"/>

Below the form is a green "Register" button. At the bottom of the page, there is a copyright notice "© 2018 - GSU Events" and three links: "About", "Contact us", and "Help?".



## 20) User history details:



## Events

### 21) All Events:

The screenshot shows a web browser window with the URL `localhost/EventsGSU_FA2018/Events/AllEvents`. The page displays a grid of event listings, each with a representative image, a date and time, and a title. The events listed are:

- Wine Testing**: 2018-11-24T00:00:00, 1800 E Golf Rd, Schaumburg, IL 60173, USA
- Contest**: 2018-11-27T00:00:00, 15724 Independence Ct, Oak Forest, IL, USA
- Painting**: 2018-11-29T00:00:00, 1 University Drive, University Park, IL, USA
- Job Fair**: 2018-11-30T00:00:00, 9040 Federal Court, Des Plaines, IL, USA
- Photography**: 2018-11-21T00:00:00, 1456 South Michigan Avenue, Chicago, IL, USA
- Billiards**: 2018-11-29T00:00:00, 550 North State Street, Chicago, IL, USA
- feed-a-crowd**: 2018-11-30T00:00:00, 145 North Dearborn Street, Chicago, IL, USA
- Bowling league**: 2018-11-24T00:00:00, 116 South Michigan Avenue, Chicago, IL, USA
- DANCE**: 2018-11-23T00:00:00, 9040 Federal Court, Des Plaines
- 3T00:00:00**: 2018-11-23T00:00:00, 9040 Federal Court, Des Plaines
- 2123 Potter Road, Des Plaines**: 2018-11-21T00:00:00, 2123 Potter Road, Des Plaines

The browser's taskbar at the bottom shows the date and time as 3:28 PM on 11/27/2018.

## 22) Event:

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** Includes "Inbox (12,258)", "My Drive - Google Drive", "CP - Validate Email Address", "Awesome trick to validate E...", "(2) WhatsApp", and "- GSU EVENTS".
- Address Bar:** Shows the URL "localhost/EventsGSU\_FA2018/Events/Event?eventID=21".
- Navigation Menu:** Contains "Browse Events", "Organize Events", "User Details", "Manage Tickets", "Manage Events", "My Profile", and "Logout".
- Event Image:** A photograph of a young boy swimming in a pool, wearing goggles and a swim cap.
- Event Details:**
  - Date: 2018-11-13
  - Address: 545 West Roosevelt Road, Glen Ellyn, IL 60137, USA
  - Activity: Swimming
- Map:** A Google Map of Chicago with a search bar containing "545 West Roosevelt Road, Glen Ellyn". The map shows the location in the West Town area, near Union Park and the United Center. The map interface includes "Map" and "Satellite" tabs, a search bar, and a "Please Click to access location" prompt.
- Taskbar:** Shows the Windows taskbar with the search bar "Type here to search" and various application icons. The system tray on the right shows the time "2:32 PM" and date "11/27/2018".

## 23) Manage Event:

The screenshot displays a web browser window with multiple tabs open, including 'email validation c# wi...', 'Validate Email Ad...', 'How to: Verify that S...', 'Awesome trick to vali...', '(1) WhatsApp', '- GSU EVENTS', and '(12) Facebook'. The active tab is '- GSU EVENTS', showing the URL 'localhost/EventsGSU\_FA2018/Events/Manage\_Events'. The browser's address bar and tabs are visible at the top. Below the browser window, the Windows taskbar is shown with the search bar 'Type here to search' and various application icons. The system tray on the right indicates the time as 12:27 PM on 11/27/2018.

The web page content includes a navigation menu with items: 'Browse Events', 'Organize Events', 'User Details', 'Manage Tickets', 'Manage Events', 'My Profile', and 'Logout'. The main heading is 'Your Events'. Below this, there is a grid of food images representing the 'Food Fest' event. The event details are as follows:

- 2018-11-21T00:00:00
- 9123 Potter Road, Des Plaines, IL, USA
- Food Fest

At the bottom of the page, there is a copyright notice: '© 2018 - GSU Events' and three links: 'About', 'Contact us', and 'Help?'.

## 24) Organize Event:

The screenshot displays a web browser window with the URL `localhost/EventsGSU_FA2018/Events/OrganizeEvent`. The page features a navigation menu with options: [Browse Events](#), [Organize Events](#), [User Details](#), [Manage Tickets](#), [Manage Events](#), [My Profile](#), and [Logout](#). The main content area is titled "Create your Event" and contains the following form fields:

- Event Title:** A text input field with the placeholder "Title".
- Event Type:** A text input field with the placeholder "Event Type".
- Event Image:** A section with the heading "Select File to Upload:" and a "Choose File" button. Below the button, it says "No file chosen".
- Event Date:** A date input field with the placeholder "mm/dd/yyyy".
- Event location:** A section with a "Location" text input field and a map of Chicago. The map shows various neighborhoods like River West, River North, and Near West Side, along with landmarks such as Millennium Park, Prudential Plaza, and the Buckingham Fountain.

The Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system tray on the right indicates the time is 10:46 AM on 11/20/2018.

## 25) Search Result:

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** Includes 'Inbox (12,258) - abdl.hanna...', 'My Drive - Google Drive', 'CP - Validate Email Address', 'Awesome trick to validate E...', '(2) WhatsApp', and '- GSU EVENTS'.
- Address Bar:** Shows the URL 'localhost/EventsGSU\_FA2018/Admin/Admin\_search\_event?SearchQuery=dance%20competition'.
- Navigation Bar:** Contains links for 'Admin Event manage', 'Admin Payment Manage', 'Admin User Manage', and 'Logout'.
- Search Results:**
  - Image:** A logo with the word 'DANCE' in colorful, stylized letters.
  - Text:** '2018-11-26T00:00:00', '123 North Clark Street, Chicago, IL, USA', and 'dance competition'.
- Footer:** Includes '© 2018 - GSU Events' and navigation links for 'About', 'Contact us', and 'Help?'.
- Taskbar:** Shows the Windows search bar, taskbar icons for various applications, and system tray information including '2:34 PM' and '11/27/2018'.

## 26) User update event:

The screenshot shows a web browser window with the URL `localhost/EventsGSU_FA2018/Events/user_manage_event?eventID=171`. The page title is "Update your Event". The form contains the following fields:

Title	Food Fest
Event Type	Food
Event Image	Select File to Upload: Choose File No file chosen
Event Date	2018-11-21
Event location	9123 Potter Road, Des Plaines, IL, U

Below the location field, a map of Chicago is displayed, showing the location of the event. The map includes labels for various neighborhoods and landmarks such as Union Park, Millennium Park, and the Museum of Contemporary Art.

## 27) finalize payment:

This information will be printed on the ticket

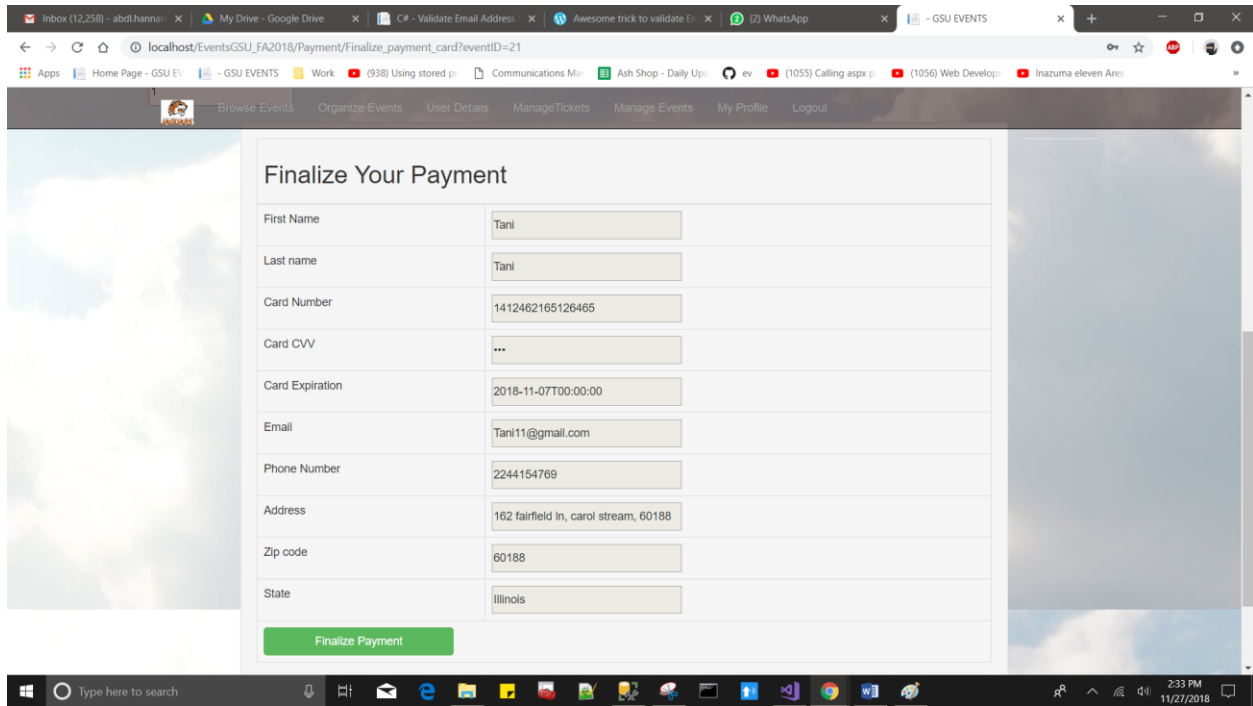
### Finalize Your Payment

First Name	<input type="text" value="First Name"/>
Last name	<input type="text" value="Last Name"/>
Card Number	<input type="text" value="Card Number"/>
Card CVV	<input type="text" value="*****"/>
Card Expiration	<input type="text" value="mm/dd/yy"/>
Email	<input type="text" value="tani"/>
Phone Number	<input type="text" value="Enter Phone number"/>
Address	<input type="text" value="Please Enter Address"/>
Zip code	<input type="text" value="Please Enter zipcode"/>
State	<input type="text" value="Please Enter state"/>

Windows taskbar: Type here to search, 2:32 PM, 11/21/2018



28) *Finalize payment card:*



## **7. Conclusion:**

Our goal of the application is to be more user friendly and secure and no more wait for the people to search for an event and the organizer to organize events. This application helps the user to locate the event nearby and can also buy the tickets for the particular event. For the organizer it helps to create an event in our portal by registering. We used 3-tier architecture, Web API, Entity Framework in order to build the application. We used the google api for the maps which helps the user to view event by location and to organizer to conduct an event.

We hereby conclude that our application is sustainable and in future we will enhance the application with more secure and more option which will be useful at that time.

## **8. Acknowledgements:**

I would like to thank prof. Xin Chen for her continuous support and guidance throughout the project.

## **9. References:**

1. For Map Functionality in Application

<https://developers.google.com/maps/documentation/>

2. For Web API

<https://www.asp.net/web-api>