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Fall 2017

GSU Event Portal

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ABSTRACT

GSU Event Portal is a web-application offers some events which you have not experienced before. The main motive behind this application is to give the best experience to the visitors. This GSU Event allows users to register for diverse types of events or search for different types of events. It not only allows the users to search or register for the events it helps him to know the different events which are going to take part around his location. To develop this portal, we have used three different roles like Admin, Organizers and Visitors In these three roles Admin and Organizer is used to create the events which the users from the front end can access those using the GSU event portal.

This website has user friendly functionalities which he can search for the events from the user portal based on the search criteria he has set. And most important is he can view the event location, details and search for the nearby places using the maps. The Organizer can see only the events which he has created under him this makes event details or user details to be secured.

The main aim of this project is to easy and quick access to different events which are created by the Admin and Organizers. As we have some existing applications, but this project helps the users to easy access to the events based on the categories they have selected and provides user to check the registered event.

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1. Project description:

The main objective of this project is to build a web application of GSU Events, which leads number of users to take part in it. In this project, the events which are related to sports, live music concerts, Business, Education etc., are added which helps user to pick his/her desired event.

Modules: We have basically 3 main modules in the project which are further divided into different categories.

Organizer: Our project is all about the events and organizer is the one who create the events and publishes on GSU Events platform. Organizer can manage the users who registered for his events.

User: User can browse for the events and can register for the events, before registering for events user must create an account which we made mandatory field in-order to register for an event and must maintain a profile. User can see the events they had registered for.

Administrator: Admin is the one who has access to every part of the project. In this project, admin ensure GSU event is user friendly. Admin is the one who manage organizers and users; changing the entire application look; manage events and other required permissions to the users.

1.1 Competitive Information:

In this competitive world, the current market is not up-to the features which we are providing. Once this comes out to light everyone feels it has some unique features. This is mainly focused on the users desired choices, as they can manage their account. They don't need to add their profile every time when they want to register for events. No doubt, this will be one of the user-friendly web application platform.

Relationship to other applications/projects

GSU Events is not directly related to any of the projects which is related events portal.

1.2 Assumptions and dependencies:

We have set certain dependencies which we followed to make sure the proper functioning of the Project.

- ➤ Our primary concern was the safety of User. We cannot compromise with the loss of user's data.
- ➤ So, security plays a vital role in our project, we made sure that our website is not compromised by any type of intruders.
- ➤ We have advanced level of security which monitors 24/7 to make sure our website is always protected.

1.3 Future Enhancements:

We wanted to make sure all the payments occurring in the website stays safe with the best security.

We the customer is looking for the best possible payment gateway, the first thing comes to the mind is PayPal. We have added PayPal as the first priority for the customers.

We also have other gateway through which customers can easily pay online with our secure debit/credit card payments.

Our payments include:

- ➤ Fraud management tools which protects the user's confidential data and keeps it secure.
- ➤ Two-step authentication process
- ➤ All major credit cards, debits cards, android pay, and Apple pay with two-step authentication process.

Definitions and Acronyms:

PHP   - Hypertext Preprocessor

SQL   - Structure Query Language

MVC   - Model View Controller

2. Project Technical Description

- ➤ Operating Systems: Windows 7/8/10
- ➤ Web Server: Apache
- ➤ PHP: CodeIgniter Framework
- ➤ Languages: Java Script, HTML and CSS.
- ➤ Database: MySQL\
- ➤ Client Browser: Chrome/Mozilla Firefox

2.1 Application Architecture:
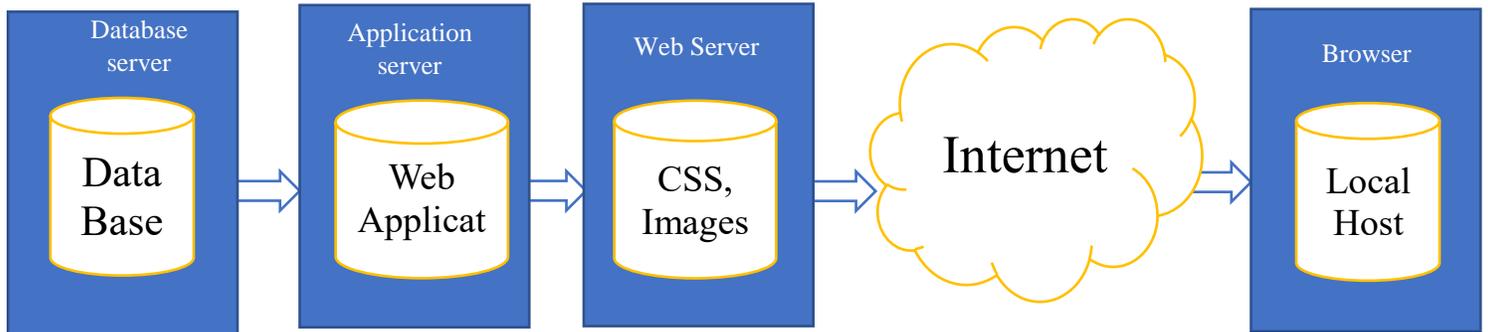
figure 2.1.1 Application Architecture

2.2 Application Information flows

Here we provide the complete details about the GSU Events application functionality. This project will help the students and others who are looking for the events that they haven't experienced before. We just want to help not only students but also others to explore the variety of events. Following are the application information

Home page: Our home page welcomes the users with welcome gsu events
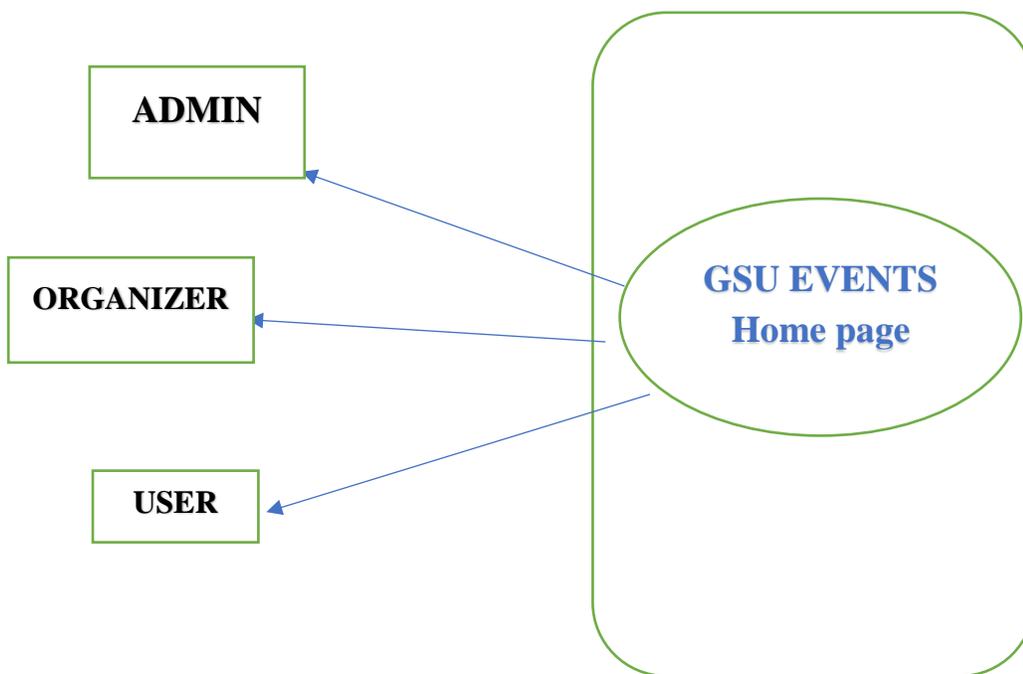
Figure 2.2.1 Home page usage

Home Page:
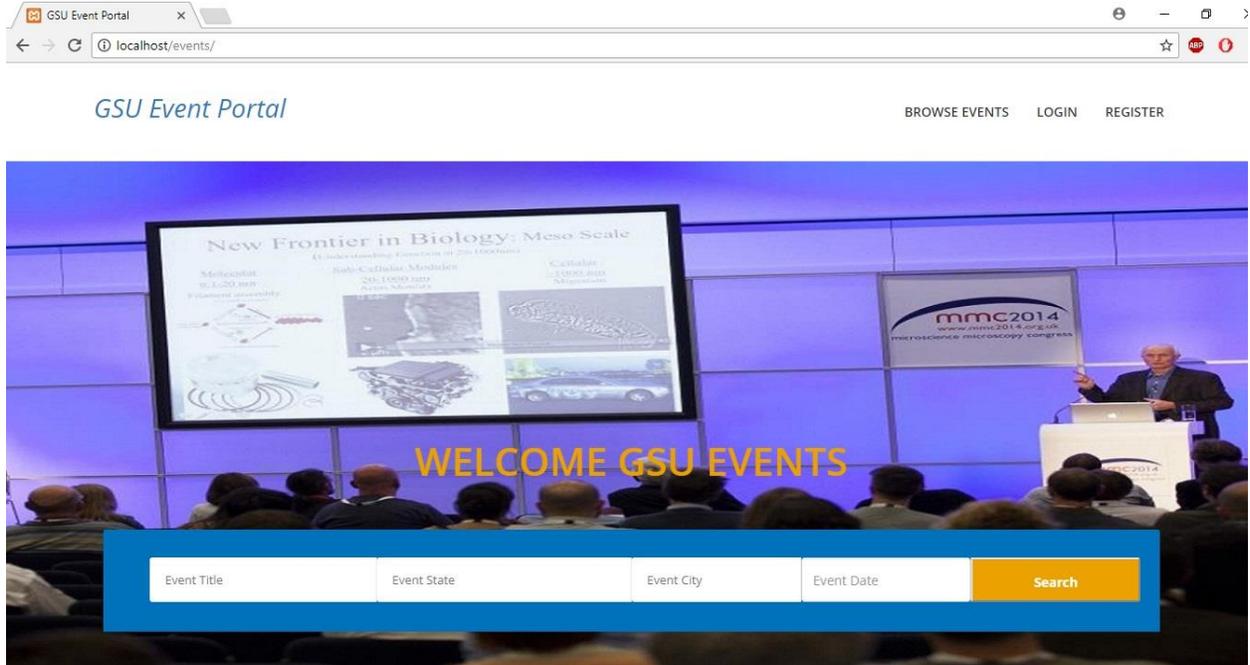
figure 2.2.2 GSU EVENTS Home page

Events lists: In home page we can see the events lists
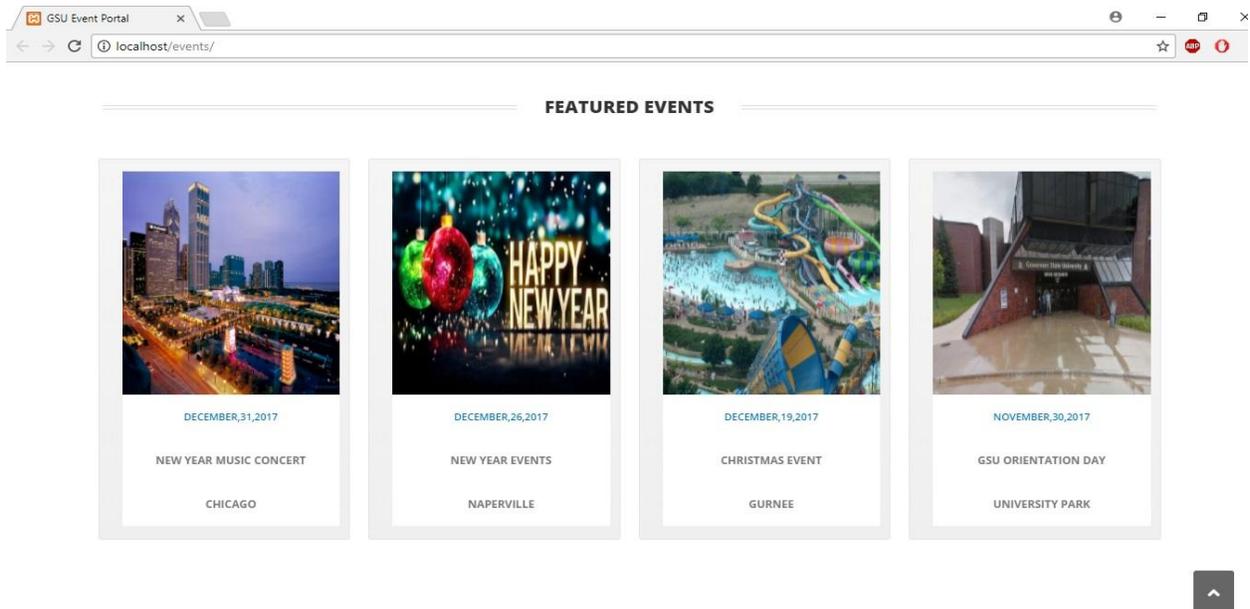
figure 2.2.3 Events List Page

Admin:
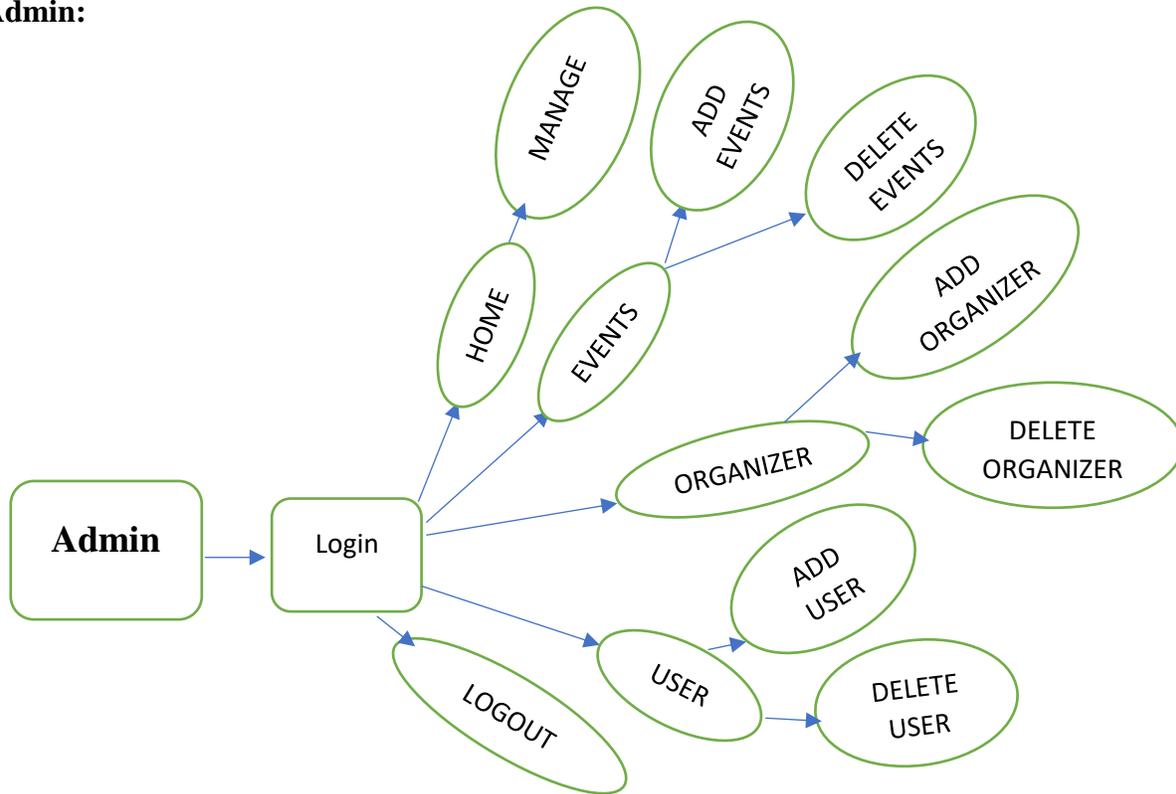
Figure 2.2.4 Admin usage

Admin is the master of the GSU EVENTS portal, where he can add events to the portal. Admin manages the organizers and allows the organizer to add events to the portal. Same as organizer, admin manages the users. Admin is the one who can do any changes on the website.

Admin Panel page:

Figure 2.2.5 Admin Panel

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Organizer:

Figure 2.2.6 Organizer usage

Organizer is the one who post the events to the portal and make them available with brief overview of the event for the users. Organizer can do some operations like add, update, and delete an event. Organizer can see the list of registered users and their contact information for the specific events.

Organizer Panel:


Figure 2.2.7 Organizer Panel

User:
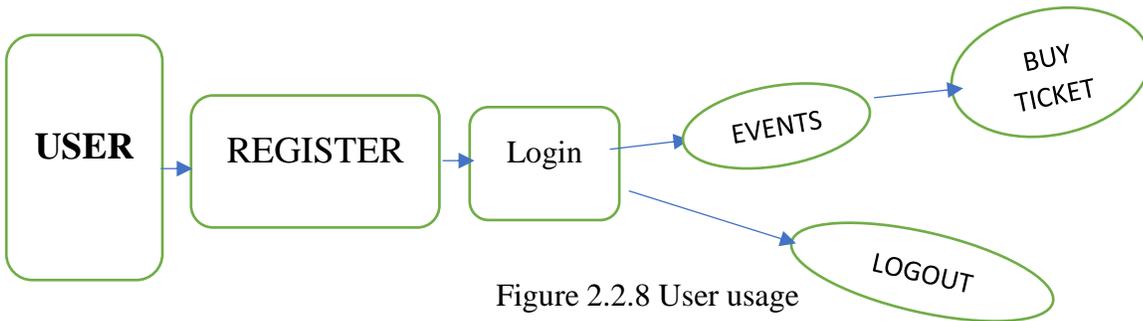
Figure 2.2.8 User usage

Before registering for the events user must open an account on the portal and then login as a user. User can search for the events using the search option. Here user can plan for the events depending on the location and date. Once the user selects the event, the next step is to register for that event and must make a payment. In user account, they can see the registered events list and they can update account information anytime.

User Registration page:
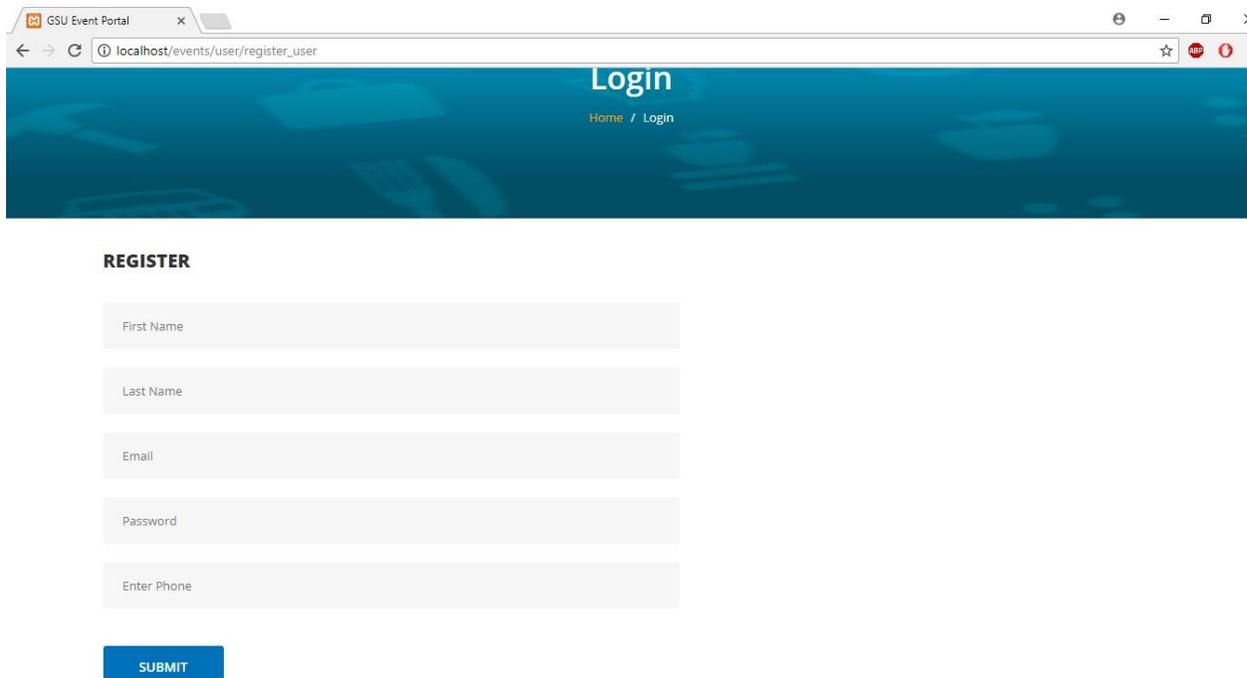
Figure 2.2.9 Registration Page

After registration user can log in to the portal.

User Login Page:
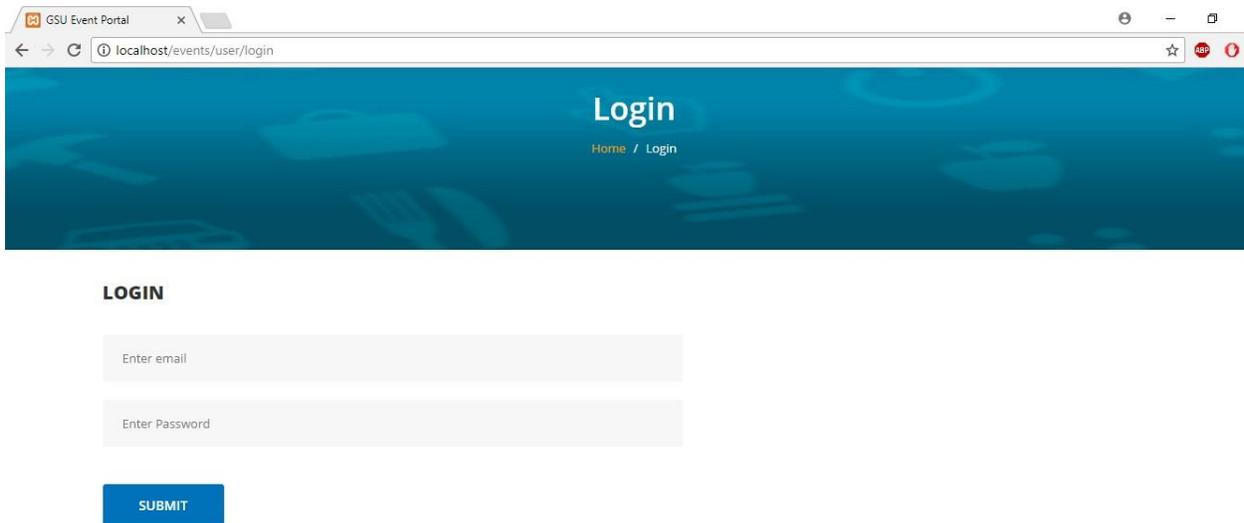
Figure 2.2.10 Login Page

Event Page:
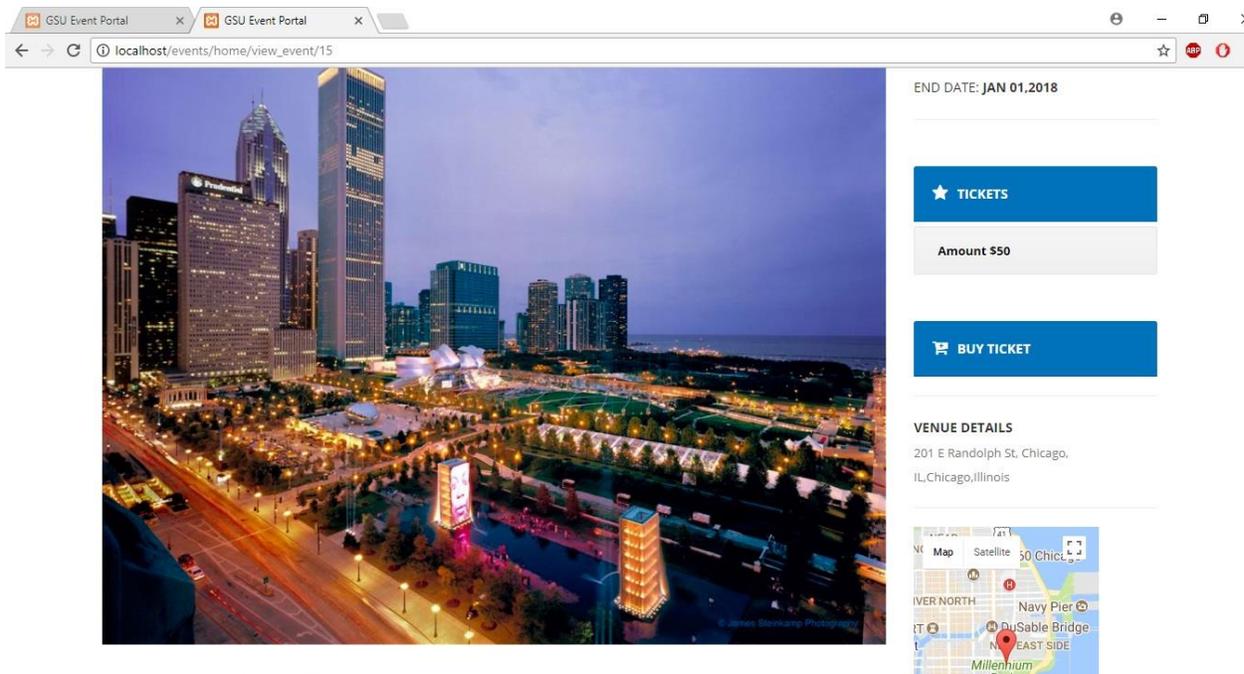
Figure 2.2.11 Event Page

Payment Page:
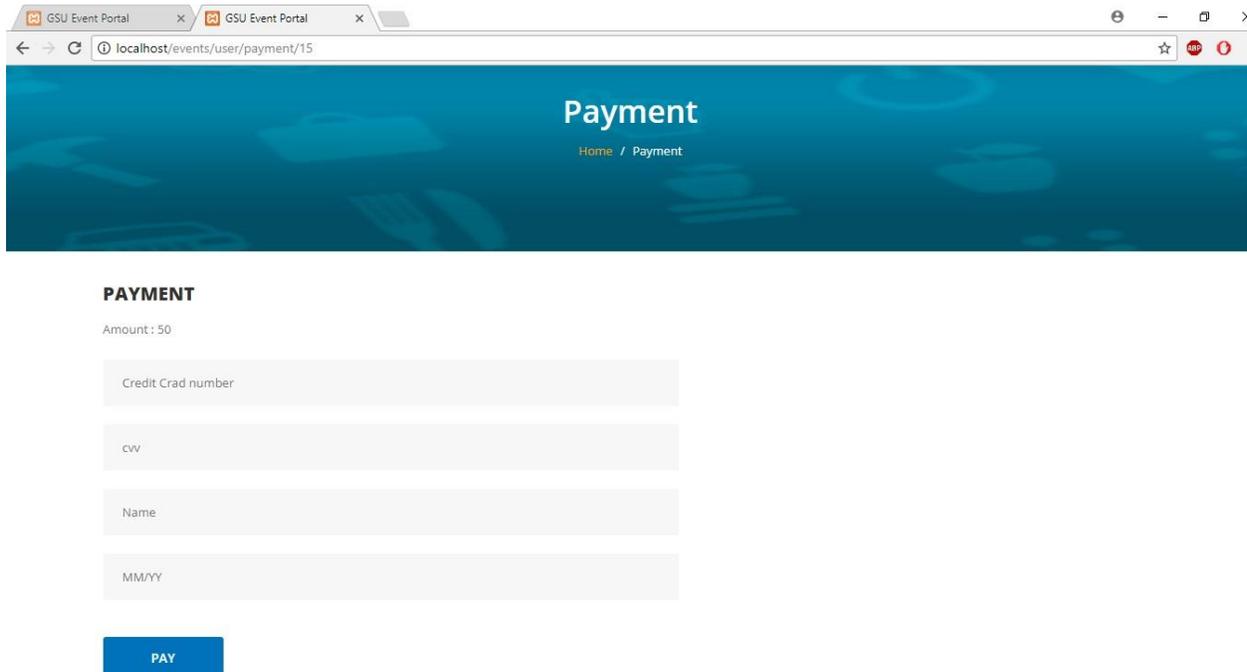
figure 2.2.12 Payment Page

MySQL Database:

Here an admin was created by default while creating database. Admin creates all the tables in this database. This database was set up to store all admin, user and organizer information.
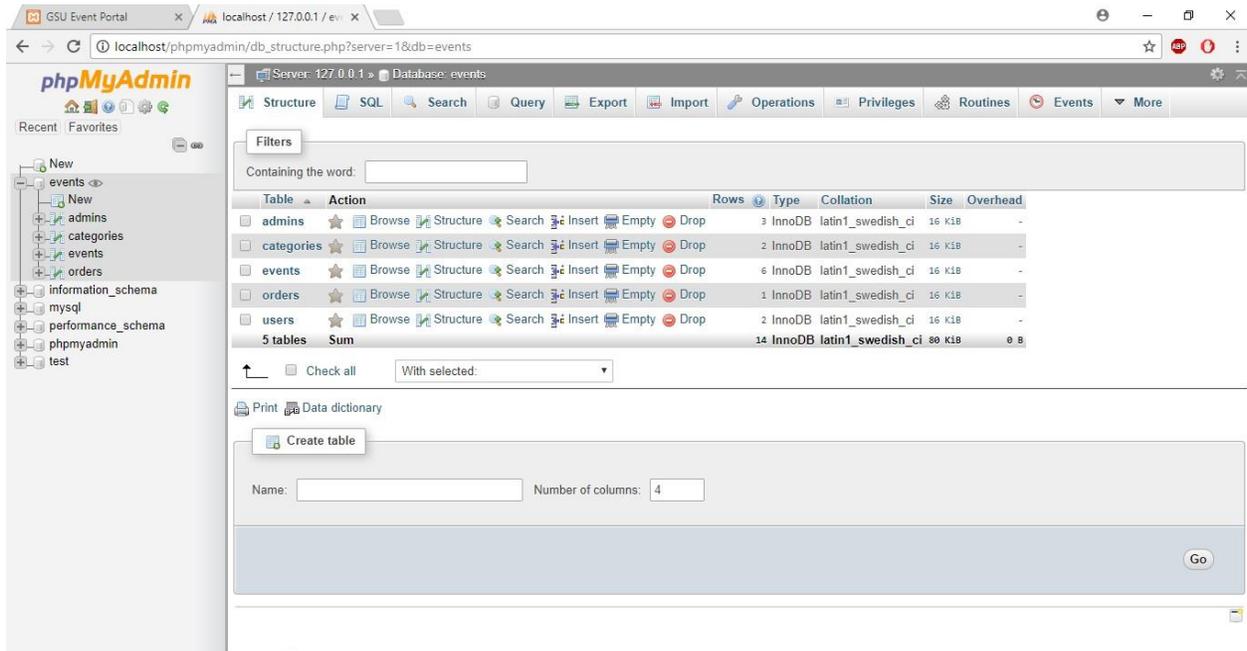
figure 2.2.13 Database Page

2.3 Interactions with other Applications

GSU Events web application has no interaction with any other application except GMAIL where password reset link will be send to the user.

2.4 Capabilities

GSU Events portal has all capabilities to satisfy the user needs. This we application is user-friendly application, below are some capabilities.

- ➢ User registration / Login, only those users can register for an event.
- ➢ Ability for the user to see the registered events and can manage his profile
- ➢ Ability for the organizer to add or delete events at anytime
- ➢ Admin can manage both user and organizer
- ➢ Free and paid events are added in this application.

2.5 Risk Assessment and Management:

One of the main risk is to maintain user profile and transaction secured. This application accepts large amount of data, so organizer or admin can add limitless events which we identified as the main risk. We are taking all the measures to secure the data. To overcome this we managed to clear all the expired events data automatically.

3. Project Requirements
3.1 Identification of Requirements
Below is the list of Project Requirements divided based on the project roles

Admin-101

The Project must create the users and Organizers and can access all the events.

Implementation:

Admin Role plays key role as this role helps to create or delete the events from the backend side. His main aim is to create the events or search for all the events in the portal based on the categories. For easy access or to directly go to the user page we have added the home page button to navigate to the user page. Admin table will contain details like Id, Name, Status, Email id etc. As Admin has access on every event he can also manage the users list who have registered for the events. As based up on the users registered we can create the different admins to manage the vast number of users.

Admin-102

This Project helps to modify the events from the portal

Implementation:

Admin can access the different users from the GSU portal. He can also modify the event details from the Admin page. Admin can also look the organizers who have created the events and can give the permission to the organizers to modify the events from the front end.

Organizer-103

Implementation:

This Role helps to create the events and Access to the events is limited or secured

As Organizer works like the admin but he can only access the events which he has created under him. This makes easy access to events and can track the number of events. Organizer is only responsible for this event to make user friendly, we have divided it in to categories to make the easy access to the organizer.

Users:104

Implementation:

This project must allow the registered or new users for search the different events from the GSU portal

As this page makes every user to look into or register for the events based on the search criteria we have provided in the user page like Event Title, Event State, Event City, Event Date. This fields helps the user to easy access to the events which the Admin and Organizer have created in the different locations. As some of the events are free, he can directly register and get more details from the organizer.

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

The project has the various operations, Maintenance and provisioning has certain maintenance plans for the proper functioning of the project. As it plays main role because with out the

maintenance any application will not be implemented easily and supported to the users from the all the regions. Like recovery of the passwords, Login details modify the users, adding the images to the events, keeping track of the user information in the database. Also gives the users about the contact information for easy and implementation of any new events based on the region.

3.3 Security and Fraud Prevention

To implement and safe guard of the information we have used the MD5 converter it converts the given sequence of characters in to another unique sequence of characters this helps to make sure the passwords are decoded, and no other user can see the passwords directly this helps the passwords are secured and saved. To safe guard the data we have created the distinct roles and permissions to the admins and organizers to implement the data and keep the data secured.

3.4 Release *and Transition Plan*

Task	Description	Estimated End Date
Planning	This Includes the Scope, Identifying the requirements, preparing data if required.	9/4/2017
Design Review	Design review of all the requirements.	9/11/2017
Database Setup, Application Development Process	Set up of the database based on the requirements, creating the tables and giving the access to the Admin, Organizers and user and storing the information.	10/16/2017
Phase by Phase Development	Time lines to implement the different phases First phase 11/6/2017 Second Phase 11/27/2017	First phase 11/6/2017 Second Phase 11/27/2017
Unit Testing	Testing done by the development side.	11/27/2017
Testing Process	To test all the requirements based on the requirements.	11/28/2017
Project Final Review	Successful completion of phase by phase deployment and required documentation.	11/30/2017

4.Project Design Description:

The Project is divided it three phases Admin, Organizers and Users

For the Admin Role:

As discussed in previous chapters Admin plays important role to access the users and can change

the event details in the Admin page.

Figure 4.1 Admin flow

Admin can be able to navigate directly to the home page and can view the event details from the

user's point of view.

For the Organizer Role:

Organizer can do some operations like add, update, and delete an event. Organizer can able to see

the user contact information so that if any changes are done to the events he can easily contact and

send the information to the users.

figure 4.2 Organizer flow

<u>For the User Role:</u>

User can easily go to the any page or event which he can easily access from the front page. Below

is the how the process goes.
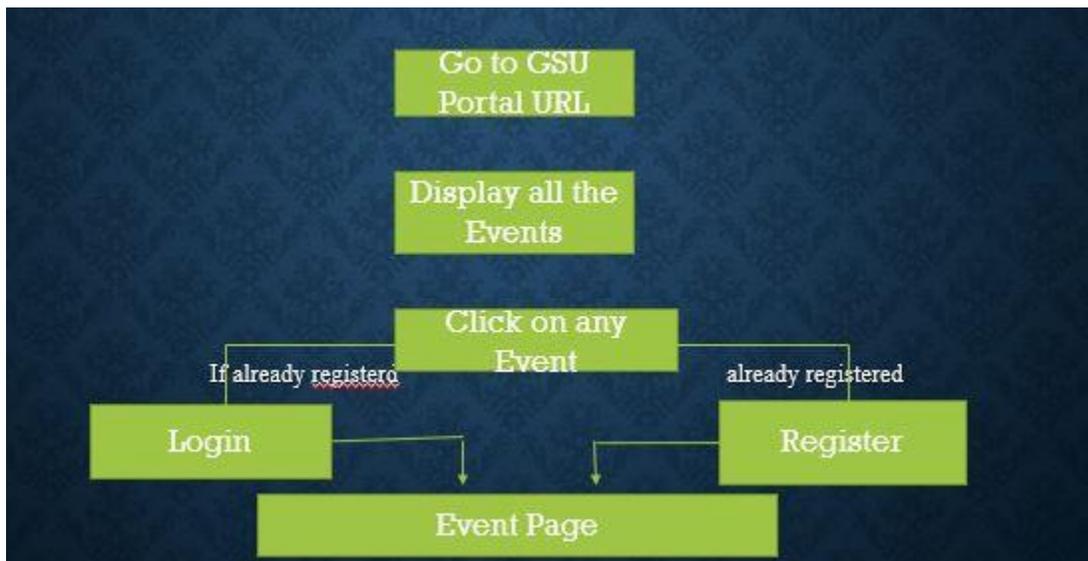
Figure 4.3 User flow

Database Design:

Below are the tables designed to support the web application in Microsoft SQL Server 2014

Users Table: Below table gives the overview of the user profile in application
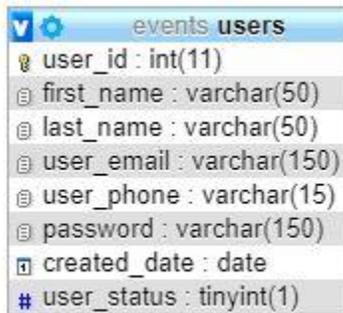
Events Table: Below table gives the overview of the event details.

Admin Table: Below table gives the overview of the admin profile.
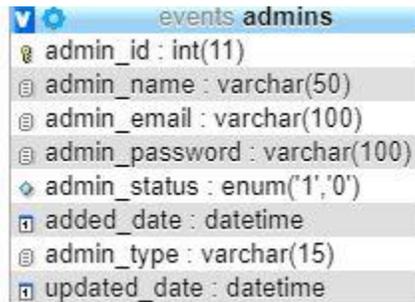
```
events admins
admin_id : int(11)
admin_name : varchar(50)
admin_email : varchar(100)
admin_password : varchar(100)
admin_status : enum('1','0')
added_date : datetime
admin_type : varchar(15)
updated_date : datetime
```

Orders Table: Below table gives the overview of the order details.

```
events orders
order_id : int(11)
event_id : int(11)
user_id : int(11)
order_date : date
order_status : varchar(15)
```

Categories Table: Below tables gives the overview of the categories list details.

```
events categories
category_id : int(11)
category_name : varchar(150)
category_image : varchar(250)
sort_order : tinyint(10)
status : enum('1','0')
```

5. Functional Overview

The web applications are categorized as 4 different modules they are: User, Admin Page, Organizer and they have different functions in their pages.

Admin: A admin is the master of the events where he can add events to the portals.

Admin can manage all users registered for the events and he can delete the same too.

He also manages the organizers and he is responsible for any changes on the website.

User: User can access all the events which are registered.

He can only register the events.

Organizer: An Organizer posts the events to the portal and also make them available to the user.

An organizer is responsible for the events registered by the user.

Some of the examples an Organizer can do are: adding of the event, removing of the event and updates in the event.

Organizer can also see list of registered users and their contact information for the specific events.

6. References:

- CodeIgniter Web Framework. (2017).Retrieved from https://codeigniter.com/
- XAMPP downloaded Retrieved from https://www.apachefriends.org/index.html
- Introduction to PHP Retrieved from https://www.tutorialspoint.com/php/