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Fall 2016

GSU Event Portal

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ABSTRACT

The project "GSU Event Portal" playing a vital role in the field of E-commerce industry with many important aspects filling in it. The project is not only useful for business persons but also individuals who are organizing an events. So, it is the platform for all kind of people. This Project helps us to enhance their creative thought process in the development of an application. The experience gained by developing this project gives us great knowledge about the e-commerce traffic on websites. This application improves the social marketing for various people to present their views. Through this application efficient communication is possible between the peoples. A successful event provides values to attendees beyond information about a product. This project is nice approach because of the various features like as follows.

Good navigation experience gives information about the events in the nearby locations which increase's the scale of business where good Digital marketing and good Advertisement takes place. It improves the Economic status of small and medium scale industries. It is not a new application. Already we have these kind of websites. But our goal is to increase the number of user who are using this event management portal because it is a free application and mobile friendly too. Finally, the main idea of this project is to develop a simple website, it is having user console and Admin console. User console can add and delete events and review registration. Every user can edit, delete events and review user registration forms and accepts user request if user data is valid. This project is convenient browsing based on location, dates, category, type and price.

Table of Content

List of Figures

1. Project Description:

The project "GSU Event Portal" playing a vital role in the field of E-commerce industry with many important aspects filling in it. The project is not only useful for business persons but also individuals who are organizing an events. So, it is the platform for all kind of people. This Project helps us to enhance their creative thought process in the development of an application. The experience gained by developing this project gives us great knowledge about the e-commerce traffic on websites. This application improves the social marketing for various people to present their views. Through this application efficient communication is possible between the peoples. A successful event provides values to attendees beyond information about a product. This project is nice approach because of the various features like as follows.

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2.Technical Description

2.1 Modules: In this project two modules are presented. First one is Admin and second one is user. Let me explain about each one in detail.

Admin: In this application admin plays a major role. He can able to see all the details which are performed by the user. Those are Add Event type and Event topic. If any new category of event can be added by admin only and these categories are used by user. But user can not define a new category. Admin can check all the details about user like Signup details, Ticket details, Amount details, Event Details and admin can check feedbacks about events.

Users: In user panel two types of users are there. First type of user is register the events and browse the events without signup and login. But he cannot create his own events. Other type of users is also register the events by signup and login only. He is able to create his own events also. This user can view his own events, update his own events and Delete his own events.

Relationship to other Applications:

The Project GSU Event Portal is related to Eventbrite application. The Eventbrite is huge project and it is very flexible to create event and manage events at any location. We took this website as a reference to develop GSU Event portal.

3. Project requirements:

3.1 Software requirements:

> - Front End   :   Visual Studio .NET 2013 Professional
> - Back End   :   Microsoft SQL Server 2014 Developer Edition
> - Operating system   :   WINDOWS 8
> - Frame work   :   .NET 4.5 & above

3.2 Hardware Requirements:

> - Processor   :   Intel Core i3
> - RAM   :   4 GB
> - Hard Disk   :   500 GB

3.3 Security for Data Base:

Security is the prevention of unidentified access to the data base. All the users whether a Member or an Administrator has to authenticate themselves by providing their ID and Password before logging onto the system. The Administrator has the rights to modify the data present in the database. He has the rights to add or remove an Event, Session or event details from the database.

4. Project Design Description:

4.1 Use Case Diagram:

Common properties:

A use case diagram is just a different type of diagram and shares the same properties, as do all other diagrams – a name and graphical contents that are projections into the model. What distinguishes a use case diagram from all other kinds of diagram is its particular content.

Contents:

Use case diagram commonly contains:

   i. Use cases

   ii. Actors

   iii. Relations (Dependency, generalization and association)

Like all other diagrams use case diagram may contain nodes constraints. Use case diagram may also contain packages, which are used to group element of your model into large chucks. Occasionally, you will want to place instances of use case in your diagram, as well, especially when you want to visualize a specific executing system.
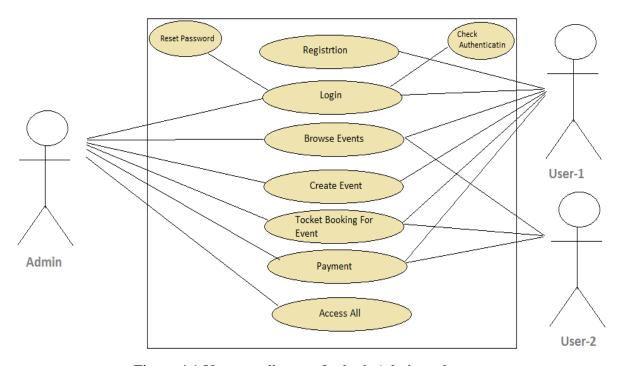

Figure 4.1 Use case diagram for both Admin and users
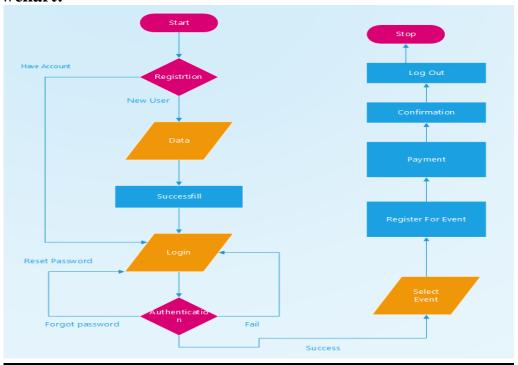
4.2 Flowchart:

Figure:4.2 Flow chart for GSU event portal both admin and user

4.3 Activity Diagram:
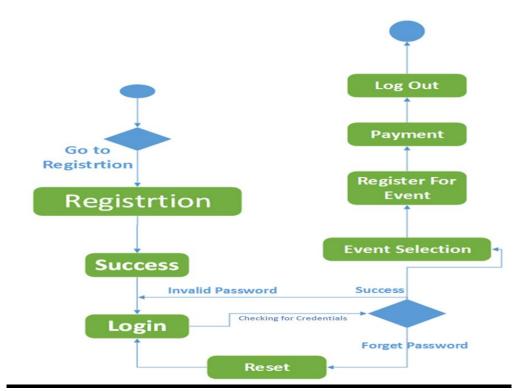

Figure:4.3 Activity Diagram for GSU Event portal

5

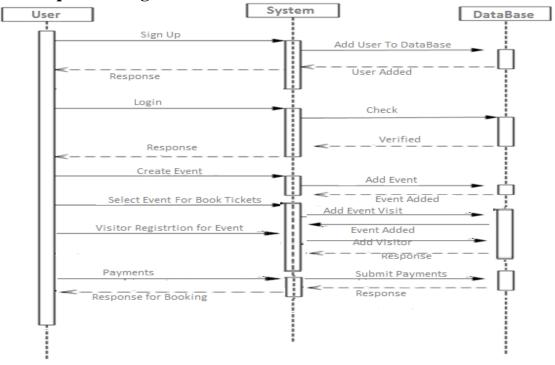## 4.4.1 Sequence Diagrams for User:

Figure 4.4.1 Sequence diagram for user who sign up and login

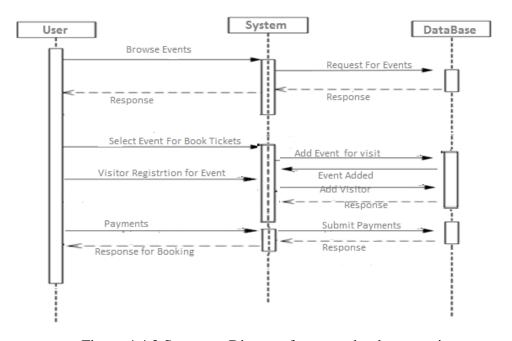## 4.4.2 Sequence Diagrams for User(Visitor):

Figure:4.4.2 Sequence Diagram for user who does not sign up
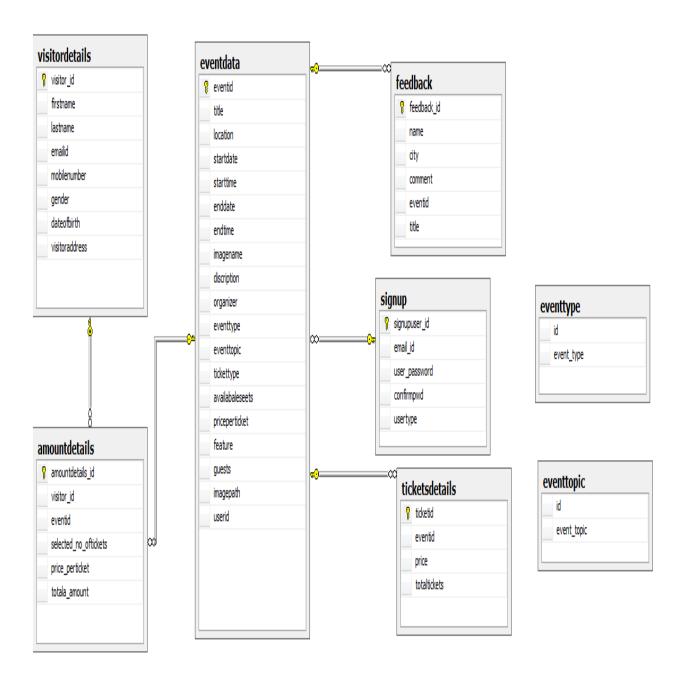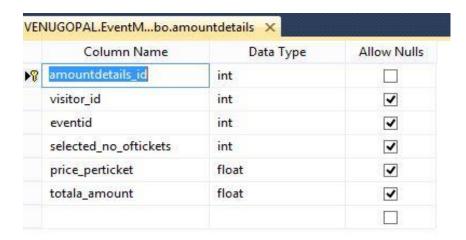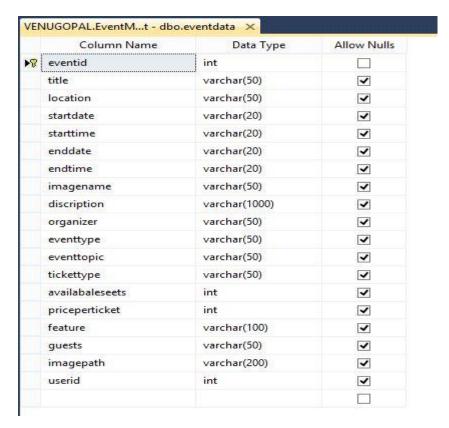
4.5 Database Diagram:

Figure:4.5 Data Base Diagram for GSU Event Portal

5. Project Internal/external Interface Impacts and Specification:

After carefully evaluating the client requirements of the project. The Project was converted in to database tables. The below tables are normalized to avoid duplicate values during the use of data entries.

5.1 Database Tables:

VENUGOPAL.EventM...bo.amountdetails ✕

Column Name	Data Type	Allow Nulls
amountdetails_id	int	☐
visitor_id	int	☑
eventid	int	☑
selected_no_oftickets	int	☑
price_perticket	float	☑
totala_amount	float	☑
		☐

VENUGOPAL.EventM...t - dbo.eventdata ✕

Column Name	Data Type	Allow Nulls
eventid	int	☐
title	varchar(50)	☑
location	varchar(50)	☑
startdate	varchar(20)	☑
starttime	varchar(20)	☑
enddate	varchar(20)	☑
endtime	varchar(20)	☑
imagename	varchar(50)	☑
discription	varchar(1000)	☑
organizer	varchar(50)	☑
eventtype	varchar(50)	☑
eventtopic	varchar(50)	☑
tickettype	varchar(50)	☑
availabaleseets	int	☑
priceperticket	int	☑
feature	varchar(100)	☑
guests	varchar(50)	☑
imagepath	varchar(200)	☑
userid	int	☑
		☐

VENUGOPAL.EventMa...- dbo.eventtopic ✕

Column Name	Data Type	Allow Nulls
id	int	☐
event_topic	varchar(50)	☑
		☐

VENUGOPAL.EventM...t - dbo.eventtype ✕

Column Name	Data Type	Allow Nulls
id	int	☐
event_type	varchar(50)	☑
		☐

VENUGOPAL.EventM...nt - dbo.feedback ✕

Column Name	Data Type	Allow Nulls
feedback_id	int	☐
name	varchar(50)	☑
city	varchar(50)	☑
comment	varchar(500)	☑
eventid	int	☑
title	varchar(200)	☑
		☐

VENUGOPAL.EventM...bo.LocationDeails ✕

Column Name	Data Type	Allow Nulls
id	int	☑
City	varchar(100)	☑
Latitude	decimal(12, 6)	☑
Longitude	decimal(12, 6)	☑
		☐

VENUGOPAL.EventM...ent - dbo.signup

Column Name	Data Type	Allow Nulls
signupuser_id	int	☐
email_id	varchar(100)	☑
user_password	varchar(50)	☑
confirmpwd	varchar(50)	☑
usertype	varchar(20)	☑
name	varchar(50)	☑
		☐

VENUGOPAL.EventMa...bo.ticketsdetails

Column Name	Data Type	Allow Nulls
eventid	int	☑
price	int	☑
totaltickets	int	☑
id	int	☐
		☐

VENUGOPAL.EventMa...bo.visitordetails

Column Name	Data Type	Allow Nulls
visitor_id	int	☐
firstname	varchar(50)	☐
lastname	varchar(50)	☐
emailid	varchar(50)	☐
mobilenumber	varchar(50)	☐
gender	varchar(50)	☐
dateofbirth	varchar(50)	☐
visitoraddress	varchar(500)	☐
		☐

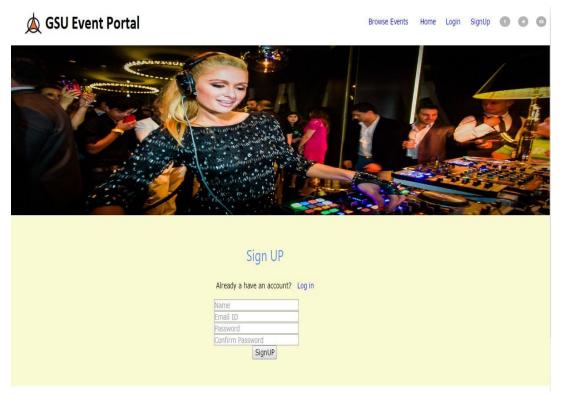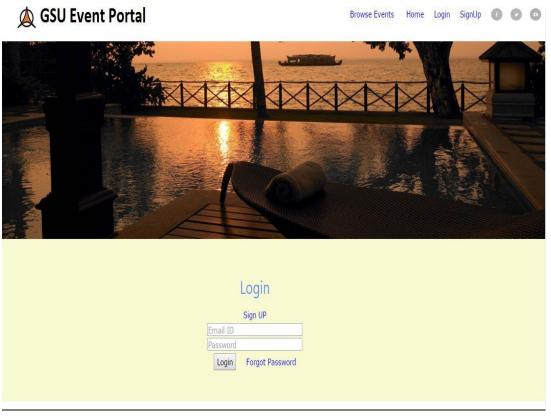# 6. **Project Design Units Impacts:**

6.1 Home page:

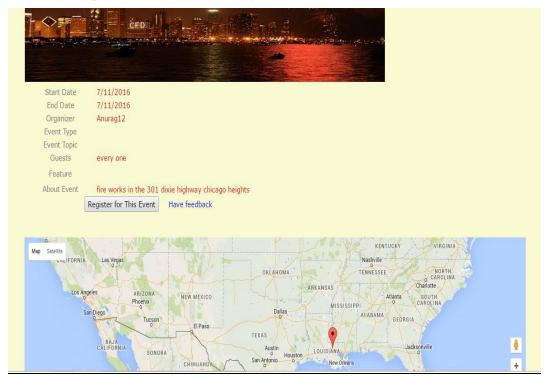6.2 Browse Events without sign up and login:
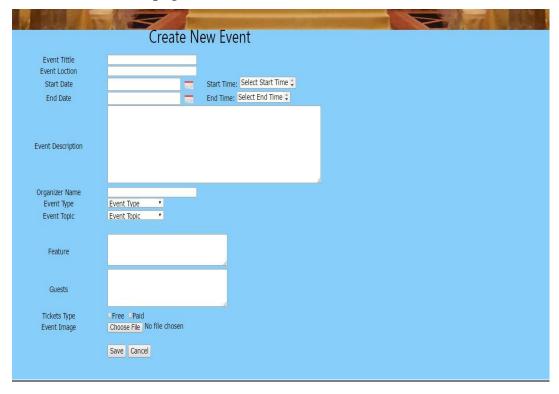
6.3 User Sign Up Page:
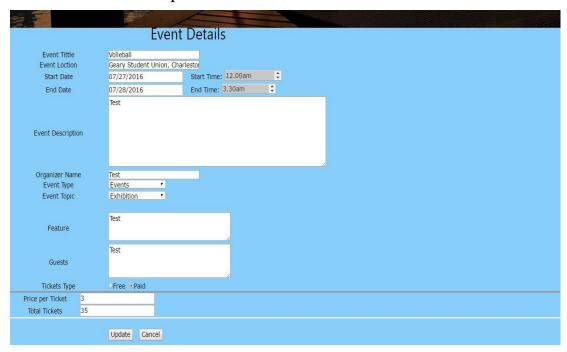

6.4 Admin and user login page:

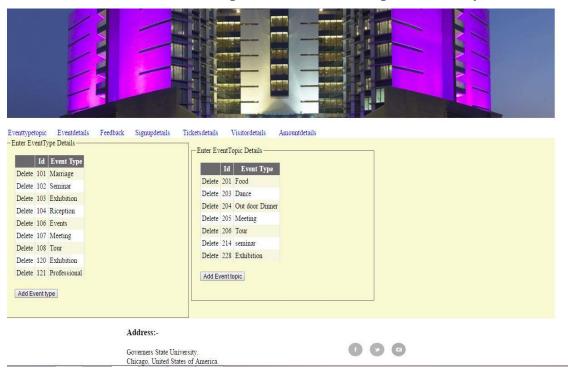## 6.5 Both type of users tries to register:

6.6 Event creation page for both admin and user:

6.7 User can edit or update his own events:

6.8 Admin can check all the operations which are performed by users:

7. Future Enhancement:

The future enhancement for this project are –

This application will add to payment gateway like PayPal account when tickets booking time.

8. Acknowledgements:

The team is very thankful to Professor **Dr. Soon.Ok. Park** for the support and leading us towards the   right path in achieving the project to be a success. The team has been very supportive throughout, with their ideas and hard work for creating the GSU Event portal as a web application.

9. References:

Mike, W. (2015, May 28), Getting started with ASP.NET Web API 2 (C#). Retrieved from: http://www.asp.net/web-api-overview/getting started -with -aspnet-web-api/tutorial-your-first-web-api

Tom, D (2015, October 22), Getting Started with Entity Framework 6 Code First using MVC 5. Retrieved from: https://www.asp.net/mvc/overview/getting-started/getting-started-with-ef-using-mvc/creating-an-entity-framework-data-model-for-an-asp-net-mvc-application