Fall 2017

GSU Event Portal

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ABSTRACT

GSU Event Portal focuses on providing an ease to people who wish to attend new events in a specific area of interest, where the events that are uploaded to the portal will be managed by the Event Organizers who are part of the portal.

Portal provides free as well as paid events, so that people can choose events as per their interest. The portal provides Organizers the flexibility to create, manage, edit and remove events of any type and size. On the other side, Visitors can lookup events, they can save an event for their future interest and also pay for an event where applicable.

The application provides a user-friendly interface so that the Organizers and the Visitors can get the benefits of the service provided by the event without any trouble. The application helps users to find an event they wish to attend with ease. They can browse events according to location, date and type.

The main objective of the portal is advertising which helps the organizers to advertise their events and grab as much attention of the people to make their event more successful.

This age is the age of technology and online advertising of event can help the organizers to attract more people in an easy way compared to paper advertisement. The people interested in an event, can even buy tickets of that event through this portal.
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1 Feature Description

As the name suggests, GSU Event Portal is an application used for advertising a particular event. This portal can help organizers advertise their event, grab attention of people who wish to participate in an event. On the other hand, users can browse through events depending on the location and type of event. The users can find events according to their area of interest. The portal provides organizers the flexibility to create, manage, remove and edit event of any type and size. The users can look up for an event, save an event for future reference and pay for an event where applicable.

There are 3 Modules in this project.

1.) Admin
   The administrator has full access to approve, edit, manage and remove events.
   The administrator needs his user credentials in order to log in into the system.

2.) User/Visitor
   Users are basically people who are searching for an event according to his/her hobby or interest.
   They can purchase the ticket for the event where applicable and can register online for the event they wish to attend.

3.) Organizer
   Organizers are the people who wish to promote their event. They can create event, describe the event and can decide the price of the event.

1.1 Competitive Information

The main competitor products which are already in market are Eventbrite, Eventbee and Peatix. These are very well-known portals which are currently very famous amongst both organizers to promote their event and for the users to browse and purchase tickets for an event. Our team has the skill and potential and has delivered the final product which will compete against the above three Event Portals. We hope that GSU Event Portal will be able to establish itself in the market even with such high competition.
1.2 **Relationship to Other Applications/Projects**

The GSU Event Portal is similar with other portals such as Eventbrite, Eventbee and Peatix. The main objective of all these portal is to provide easy event registration. The organizers which are a part of this application take the main benefit of selling out their events. The users/visitors of this application get the benefit of easy browsing an event according to their type of interest and can pay for that event. All the above portals do the same job of helping both users and organizers.

1.3 **Assumptions and Dependencies**

- The portal can be accessed by any computer which is connected to the Internet.
- The portal is platform independent.
- The payment functionality is depending on the Payment API
- The google maps functionality is depending on the Google Map API

1.4 **Future Enhancements**

For the future enhancements, we can add some of the features like giving a functionality to connect the social media accounts with the GSU event portal accounts, by doing this, one can share events or publish them using their social media accounts, which may help promoting the events in even larger scale of people.

Also, we can add a feature of maps with the help of google maps to let the user pin point the exact location of the event, so that people may get an ease to navigate directly through their cellphones.

1.5 **Definitions and Acronyms**

- HTML – Hyper Text Markup Language
- CSS – Cascading Style Sheet
- MVC – Model View Controller
- SQL – Sequence Query Language

2 **Project Technical Description**

The MVC (Model, View, Control) architecture separates a web application in to three major parts, the model, the view and the controller. This architecture provides and alternate way with an ease to develop ASP.Net web applications. MVC is having all the features which we used to utilize in ASP.net framework
which are master pages and the relationships between web pages with more features. This architecture is defined in the System.Web.Mvc Assembly of the .Net framework.

Models:

Models are the database logic of the application which will communicate to and forth with the database to post and retrieve the data for the application operations.

Views:

Views are the components which will be the presentation layer for the application. Which in other words will be the graphical user interface of the application.

Controllers:

Controllers are the components which will work between model and the view to render the application request and handle it with providing requested data from database and pass it to view to represent at GUI.

2.1 Application Architecture

2.2 Application Information flows

User:

Registration > Login > Search Events > Like/Bookmark/Register Events > Payment

Organizer:

Registration > Login > Create/Update/Delete Events > Registration List/Payment List

Admin:

Login > User List/Organizer List/ Event List > Create/Update/Delete Events > Registration List/Payment List
2.3 *Interactions with other Projects (if Any)*

The Portal does not have any interactions with other projects.

2.4 *Interactions with other Applications*

The GSU Event Portal interacts with google API to provide the facility of maps to the user and email facility for email notifications to the users. The Event Portal also uses payment API for any payments done by the user for any event.

2.5 *Capabilities*

The Portal has capabilities of retrieving multiple records from database at once. It also does the database operations wisely with multiple users at a time. The Organizers have the freedom to create, update and delete events.

2.6 *Risk Assessment and Management*

While creating the events, misplacing the information may result in data failure to the database as per the constraints set up for the data tables.

As this portal is developed for a small scale as per current requirement, if large number of users hits the website at once, this may result in system failure. To resolve the system failure occurred by large number of hits, we can upgrade this system to a large scale with large data servers.
3  Project Requirements

Requirements for the project are as follows:

3.1  Identification of Requirements

Use Case Diagram:
Visitors can register themselves in the portal for looking up more information about events that they are interested in and they can also register for the specific event. They can also manage their profile as well as payment methods.

Input: Event, Registration details
Output: Registered event information and conformation.

Organizers can register themselves to broadcast their events and can login in to the portal to manage, create, update or remove the events. They can review the bookings on their events and can also check the payments.

Input: Creation of new event, monitor existing events.
Output: Event list for the organizer and registered user list for that event.

Admin can administer accounts on the portal. He can view the logs of registrations for new accounts as well as new uploaded events. He can also review created events and can edit or remove it.

Input: User and Event details, registration and payment charts.
Output: List of users, organizers and events.

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

Admin does the maintenance on regular basis for database and the user accounts. Also, Organizers can maintain their log for events and registrations with list of payments done. Fault Recovery will be done by admin as he will be doing the database backup on a regular basis.

3.3 Security and Fraud Prevention

GSU Event Portal provides security to the user details with the functionality of credentials and proper authentication. If any intruder tries to access a user’s account by changing the password, users will be notified by an email notification.

3.4 Release and Transition Plan

The GSU Event Portal goes through different phases such as Planning, Executing and Closing. The planning of the project is from 28th August 2017 to 11th September 2017.
The Executing Phase further divides itself into three other processes.

Process-1, Designing is from 12th September 2017 to 3rd October 2017.

Process-2, Coding is from 4th October 2017 to 1st November 2017.

Process-3, Testing is from 2nd November to 23rd November 2017.

The Closing phase includes the documentation process which is from 24th November to 3rd December 2017.

The period given for each phase and process is different according to the requirements of the project. The Planning phase is given 2 weeks, designing process is allocated 3 weeks, Coding process is allocated 4 weeks, Testing process is allocated 3 weeks and the Closing phase documentation is given 1 week (approximately).
Project Design Description

ER-Diagram:

Sequence Diagram:

- Admin Module:
For the creation of this web application, we have followed the standards provided by the Governors State University, to achieve the course requirements. Requirements as in, the layout of the application, features of the application, the user interface, etc. which helps us understand the importance of maintaining the standard for an organization.

External Interface Specifications:

- The portal uses the Google API to provide the feature of google maps and locations.
- It uses Google Mail API for the Email functionality
- For the payment module, it uses an extern plug in for the payment processing.
Registration Page:

Login Page:
Admin Dashboard:

Change Password:
Organizer Dashboard:

Add New Event:
Event List-Edit-Delete:

User Dashboard:
Event Registration:

PAINITNG TOURNAMENT

WHAT'S ABOUT EVENT

This event is all about painting people can show their talent here.

EVENT TYPE - OTHER

EVENT CATEGORY - CHARITY & CAUSES

REGISTER FOR EVENT

EVENT PRICE

FREE

EVENT DATES

10:00

YOU MAY LIKE

FIFA 2017 LAW Tournament

Youth Football Tourney in Cairo /

Kuwait

This is the Asia gaming tournament where young people who are the best in their part in different countries.

EGYPTIAN Tap Talent

Talent show competition.

Under 12 Soccer Tournament

Under 12 soccer tournament.

You may also like:

FACEBOOK

EVENT ORGANIZER

GSM Event

WWW.GSM EVENT.COM

14 2017 - 31 2017 Heart Cross /

Next

PREVIOUS

NEXT

PREVIOUS

NEXT

ABOUT US

GSM Event Portal focuses on providing an array of sports events in a specific area of interest, where

ENTREPRENEUR

The events included in this feature will be managed by the Event Organizers who are part of the portal.

+1 706-534-9000

WWW.GSM EVENT.COM

POPULAR SEARCHES

- Online Registration
- Sell Event
- Print Guest
- Event Planning Software
- Online Event Management
- Event Management Software
- Event Payment

RECENT TWEETS

- Twitter.

INSTAGRAM PHOTOS

- Instagram.

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6  Design Units Impacts

Table 1: CityMaster

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#### 6.1 Functional Area A/Design Unit A

##### 6.1.1 Functional Overview

- **Visitor:**
  - **Registration:**
    - Visitors can register themselves in the portal for looking up more information about events that they are interested in and they can also register for the specific event. They can also manage their profile as well as payment methods.
  - **Login:**
    - Visitors can login into the portal to book an event or review their account.
  - **Manage Event:**
    - Visitors can manage their saved events, remove event and pay for the events.
  - **Account:**
    - Users can manage their account and payment methods.

- **Organizer:**
  - **Registration:**
    - Organizers can register themselves to broadcast their events on this portal.
  - **Login:**
• Organizers can login into the portal to manage, create, update or remove events.

• Activity:
  • Organizers can review the bookings for their events and can check the payments made on their events.

• Admin:
  • Admin can administer accounts on the portal. He can view the logs of registrations for new accounts as well as new uploaded events. He can also review created events and can edit or remove it.

6.1.2 Impacts
The system will provide ease to users of this application to manage, and organize events online without any physical stress.

6.1.3 Requirements

Hardware Requirements
• RAM: 1 GB
• Processor: Core 2 DUO and plus

Software Requirements
• OS: Windows, MAC, Android

Non-Functional Requirements

Performance Requirements:
The system should be reliable.
Appropriate Error Message should be displayed if a functionality goes wrong.
Web pages should not take a long time to load.

Security Requirements:
The database should be secured.
The transaction should be processed securely so that the payment details are not mishandled.
Database can be accessed only after providing proper authentication credentials.
Safety Requirements:
The user can access their profile only after entering proper credentials.
The user data must not be mishandled.
Capacity - The website should handle 25,000 requests at a given point of time.

Availability - Website should have uptime of 99.9% in all times.
Recoverability - Website should recover in 2 minutes recovery time, in case of outages of any reason.
Maintainability - The website maintenance can take place during the midnight of every Monday to apply updates and data backup procedures.
Security – The website should be prepared and protected against any attacks.
Regulatory - The website should be able to comply with the data collection standards in each state of the United States.

7 Open Issues

GSU Event Portal is developed to sustain as a best accessible online event portal with covering almost all the features to provide an ease to users in the current competitive web market. Also, to make this portal at its best in serving people, we can still add some more features, for example, adding google maps to let people use it directly through their cellphone devices.

8 Acknowledgements

All the team members involved in this project would like to sincerely thank our project guide Prof. Alex Liu, He has been very helpful with us throughout the completion of our project. We are very glad to be under his shadow during this Graduate Seminar Project.

9 References

- www.eventbrite.com
- Templets provided by the institution.