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GSU Event Portal

Shashivardhan Reddy Amaram
Governors State University

Rakesh Pandala
Governors State University

Srinivas Pothuguntla
Governors State University

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ABSTRACT

Event Portal for Governor's State University is a concept of Content Management System for college events, conducted by management or students. Users that includes students and management can register in event portal to create, edit or delete events with specific details such as background of event, images, location, data and time. Students should login to the portal to register for any events. Upon every user registration in portal or for any event a confirmation email will be sent to registered mail id.

Admin is the super user of the portal to control users and events. A responsive design enables this portal to access this website device friendly.

Every content in the portal is fetched from database dynamically. It is a one hotspot of the events completely designed for GSU Event Portal.

Technical Details:

PHP is used for the server side scripting language; MySQL is the database storage. HTML5, CSS3 is used for front-end UI system. Responsive design will be well handled by Bootstrap framework. jQuery library is used for dynamic actions on webpages. Overall event portal can be able to deploy and use in single spot i.e. XAMPP. It is compatible in Windows, Linux and other platforms.

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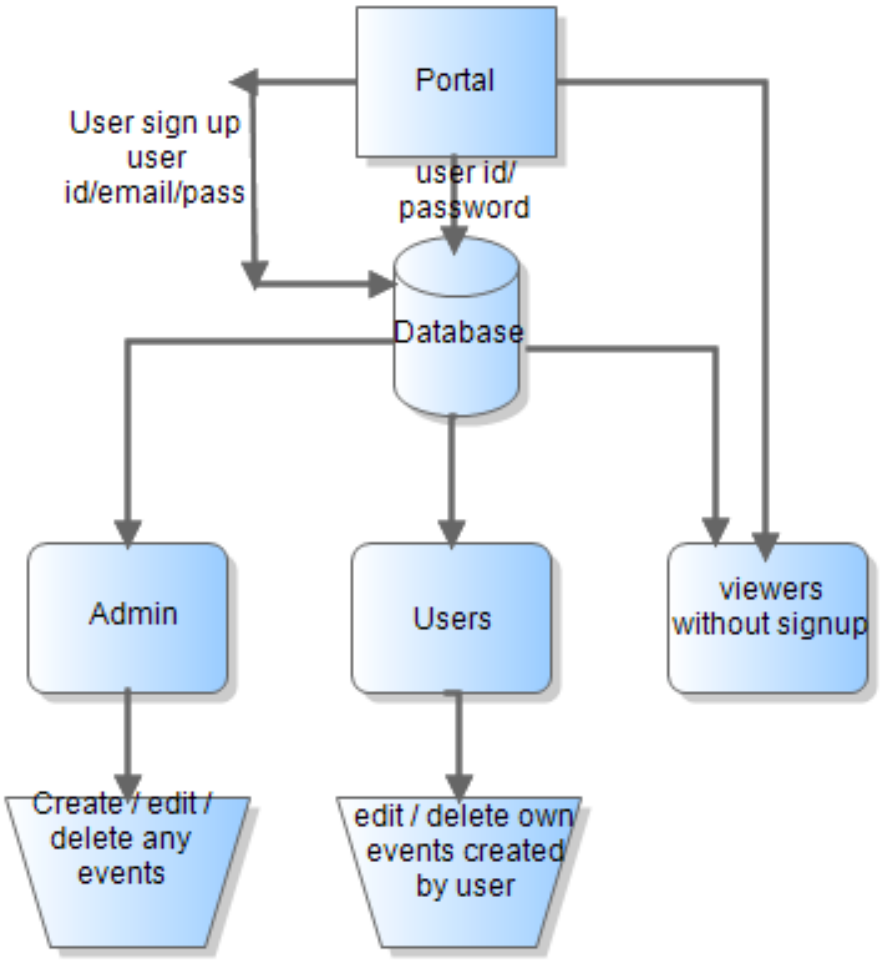
1 Project Description

GSU Event Portal is a conceptual design for event management within university and can be scoped for using universities. Events can be educational purposes for summits, new product launches, music, foods & drinks, job fairs, marketing, seminars, drives and diverse events. A complete home for event management that supports students and faculty of GSU can create events with description, location and ticket prices. Visitors can subscribe for interested events and buy tickets and make events successful.

1.1 Application Information Flows

Every product is competitive with other similar product in market, but few different things that is not available in existing products and significant for users can make our product successful and competitive. The first competitor for our product is Event Brite, the very thin line of uniqueness in our product it is completely scoped for GSU events alone. In future plans we are scoping this to host events for all educational events across United States.



1.2 Relationship to Other Applications/Projects

We are not directly related to other applications as we want to stand out of crowd for the better approach to targeted audience. Our project objective might be similar to others, cause every innovator would like the address the most common problems of people.

1.3 Assumptions and Dependencies

- As of now this application will be utilized within GSU staff and students.
- Mail server and payment gateway dependencies are in Event portal application.
- Client side browsers to be updated to latest, as the responsive framework doesn't support old browsers such as Mozilla Firefox5, IE6, Google Chrome 7.

1.4 Future Enhancements

We are planning to expand this product to host the events of all the universities across United States, as of now it is scoped only for GSU.

1.5 Definitions and Acronyms

Event: a planned public or social occasion.

XAMPP is an open-source web server bundle that chips away at different stages. It is really an acronym with X signifying "cross" stage, A for Apache HTTP server, M for MySQL, P for PHP, and P for Perl. XAMPP was intended to help site page engineers, software engineers, and architects check and audit their work utilizing their PCs even without association with the web or web. In this way, essentially XAMPP might be utilized to remain as pages for the web even without association with it. It can likewise be utilized to make and arrange with databases written in MySQL and/or SQLite. Also, since XAMPP is outlined as a cross-stage server bundle, it is accessible for an assortment of working frameworks and stages like Microsoft Windows, Mac OS X, Linux, and Solaris.

To utilize XAMPP, stand out compress, exe or tar document is required. Clients simply need to download this record and run the application. There is likewise very little arrangement and tinkering to be done as far as settings and its segments. The XAMPP bundle is likewise redesigned all the time to synchronize with the upgrades made on the diverse stages required in the bundle like Apache, PHP, Perl, and MySQL.

Besides being cross-stage, XAMPP is likewise a freeware. This implies clients on various working frameworks can download this server bundle for nothing out of pocket. Also that there is no arrangement important to setup the framework. In the wake of downloading and separating the free application, clients can promptly utilize XAMPP. Clients additionally don't need to stress on expelling the application. On the off chance that XAMPP is not required by the client any longer, evacuating it ought not present any issue. One simply needs to erase the XAMPP registry and every one of the records concerning this server bundle will be erased. On the other hand, if XAMPP was introduced utilizing the Windows installer variant, one simply needs to go to the "uninstall" highlight of the working framework to dispose of the server bundle.

PHP is mostly centered around server-side scripting, so you can do anything whatever other CGI project can do, for example, gather structure information, produce dynamic page content, or send and get treats. Yet, PHP can do substantially more.

There are three fundamental zones where PHP scripts are utilized.

Server-side scripting. This is the most conventional and fundamental target field for PHP. You require three things to make this work. The PHP parser (CGI or server module), a web server and a web program. You have to run the web server, with an associated PHP establishment. You can get to the PHP program yield with a web program, seeing the PHP page through the server. All these can keep running on your home machine in the event that you are simply trying different things with PHP programming. See the establishment directions segment for more data.

Summon line scripting. You can make a PHP script to run it with no server or program. You just need the PHP parser to utilize it along these lines. This sort of use is perfect for scripts consistently executed utilizing cron (on *nix or Linux) or Task Scheduler (on Windows). These scripts can likewise be utilized for basic content handling errands. See the area about Command line utilization of PHP for more data.

Composing desktop applications. PHP is presumably not the absolute best dialect to make a desktop application with a graphical UI, however in the event that you know PHP exceptionally well, and might want to utilize some progressed PHP highlights in your customer side applications you can likewise utilize PHP-GTK to compose such projects. You additionally can compose cross-stage applications thusly. PHP-GTK is an expansion to PHP, not accessible in the principle conveyance. In the event that you are occupied with PHP-GTK, visit » its own particular site.

PHP can be utilized on all major working frameworks, including Linux, numerous Unix variations (counting HP-UX, Solaris and Open BSD), Microsoft Windows, Mac OS X, RISC OS, and most likely others. PHP has likewise bolster for a large portion of the web servers today. This incorporates Apache, IIS, and numerous others. What's more, this incorporates any web server that can use the Fast CGI PHP twofold, as light tpd and nginx. PHP acts as either a module, or as a CGI processor.

So with PHP, you have the opportunity of picking a working framework and a web server. Besides, you additionally have the decision of utilizing procedural programming or question situated programming (OOP), or a blend of them both.

With PHP you are not restricted to yield HTML. PHP's capacities incorporate yielding pictures, PDF records and even Flash films produced on the fly. You can likewise yield effectively any content, for example, XHTML and whatever other XML document. PHP can auto generate these records, and spare them in the document framework, rather than printing it out, shaping a server-side store for your dynamic substance.

2 Project Technical Description

Responsive web application that hosts events for GSU, core language is PHP for web side scripting, MySQl for data storage, Bootstrap for responsive framework. Basic web languages that works for better UI at client side scripting.

2.1 Application Architecture

Application is in MVC architecture i.e. Model View Controller architecture. Frontend is designed with Bootstrap framework for responsiveness for better displaying in various types of devices. Deployed in XAMPP server with support of Apache server. MySQL for database server.

2.2 Application Information flows

1. User Registration: Registered users can open the web application and on the top right side registration is available click on it, then provide few details of user. Data will be stored in database. As soon as user registration is completed, user can login into their new user account.
2. Registered users can create events from the top menu and a notification will be sent to user for the registered events.
3. Admin: Admin can control all events in the portal i.e. able to delete events created by any other users and own events created by admin. So registered users cannot delete any other events except events created by them.

2.3 Interactions with other Projects (if Any)

None

2.4 Interactions with other Applications

As this is a graduation project that works within local server, with complete hosting is cloud it can interact with mail server for purchasing, user registration notifications. Payment gateway interaction ticket purchasing with cards.

2.5 Capabilities

Web server for executing PHP web pages in apache server and a database application must provide capabilities to support events application such as retrieving/adding/deleting/updating user data.

2.6 Risk Assessment and Management

Strong security for web server to protect it from wide open web of security risks, and data security in databases with strong passwords. A precautionary action taken to encrypt passwords before storing in database, it helps even in the worst case scenario of the data leakage.

3 Project Requirements

3.1 Identification of Requirements

GSU-GS_SU2016-1 User-Registration-000001
The project must allow new users to be added, updated, or deleted by the application.

Implementation: Mandatory.

GSU-GS_SU2016-1 Event-Registration-000002
The project must allow all users to add, update, or delete the events from application by the event creators.
Implementation: Mandatory.

GSU-GS_SU2016-1 Event-Subscription-000003
The project must allow all users to be subscribe for the events.
Implementation: Mandatory.

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

Event Creators has the complete access control for the events. Application wide admin is available for the maintenance of the application.

3.3 Security and Fraud Prevention

The possible security issues that can happen to webserver is DDoS attack prevention. Strong passwords for admin access in web server and database could result in elimination of brute force attacks.

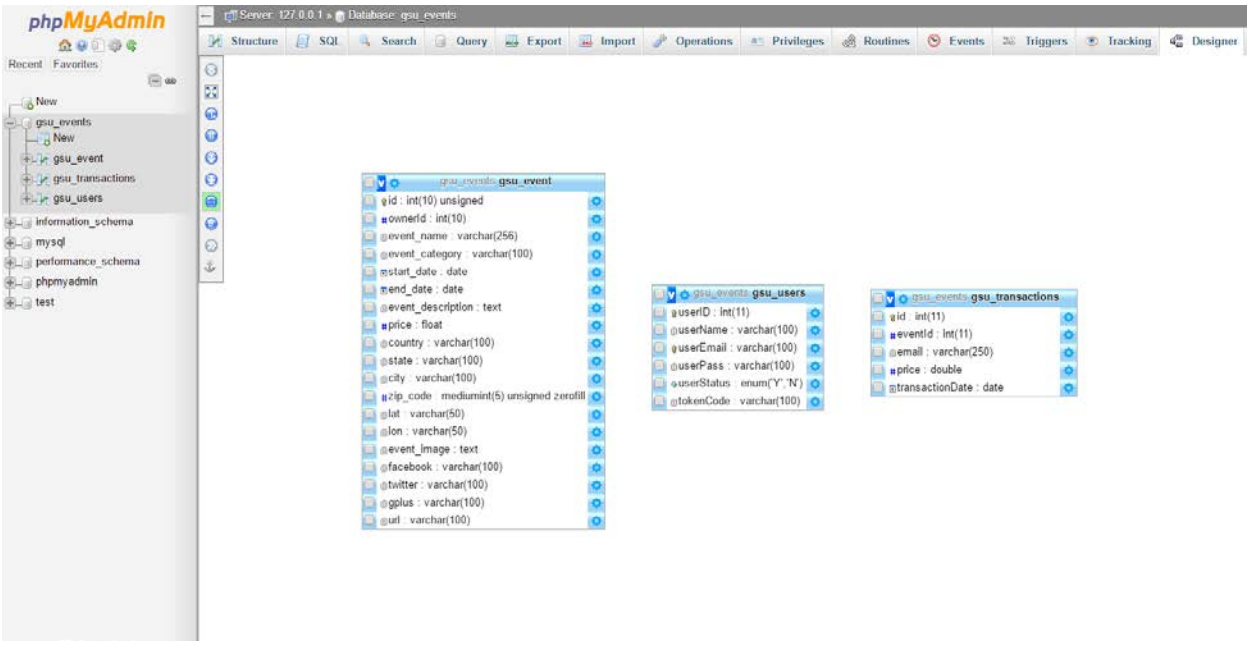
3.4 Release and Transition Plan

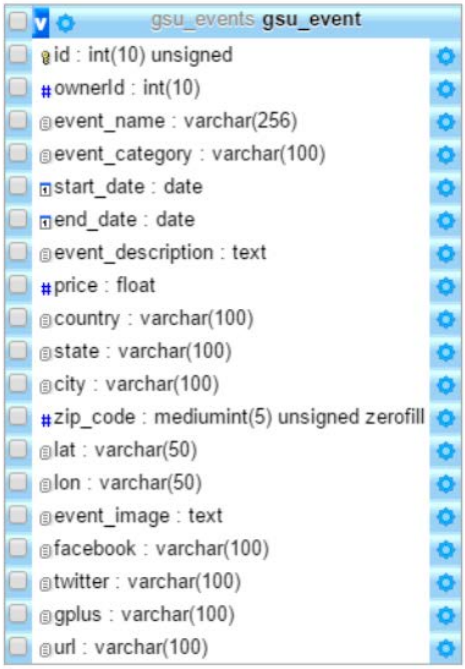
Project will be deployed in cloud within the client available cloud or a vendor specific. Once it is being deployed the admin access will be granted to trusted employee suggested by client and the deployment details will be handed over for better transition to be taken care by client team.

4 Project Design Description

A different combination of simpler module that helps to track the events for enthusiastic students and staff for the event management in a single window for better and effective system. In this project we developed the database using phpmyadmin and then php coding using notepad++. So we can run both of them using XAMPP and using browser.

The database consists of 3 tables as shown below





Users table

Transactions table

5 Internal/external Interface Impacts and Specification

Database design for users and events is centralized across the application. In case any change in the database tables will affect the other modules which are related and dependent. Users table is dependent on the login module as it is querying the users table in backend. Events registration module affects the event subscriber's database.

6 Design Units Impacts

User Registration unit, Event Registration unit, Event subscriber and event display and search modules are the core modules for this application with filtering capabilities.

6.1 Functional Area A/Design Unit A

6.1.1 Functional Overview

A new automated system for the event creations and subscription management system. A hotspot for the events tracking for GSU staff and students.

6.1.2 Impacts

Web application that portrays events in the grid menu that users can browse various events, with few filtering option they can browse events with categories. Pulling the events online to be accessible for everyone in GSU.

6.1.3 Requirements

Basic requirement is to list the users and registered events with proper portraying and subscription details in the content management system for its better functionality.

7 Open Issues

No open issues

8 Acknowledgements

Srinivas, Pothuguntla
Shashivardhan Reddy, Amaram
Rakesh, Pandala

9 References

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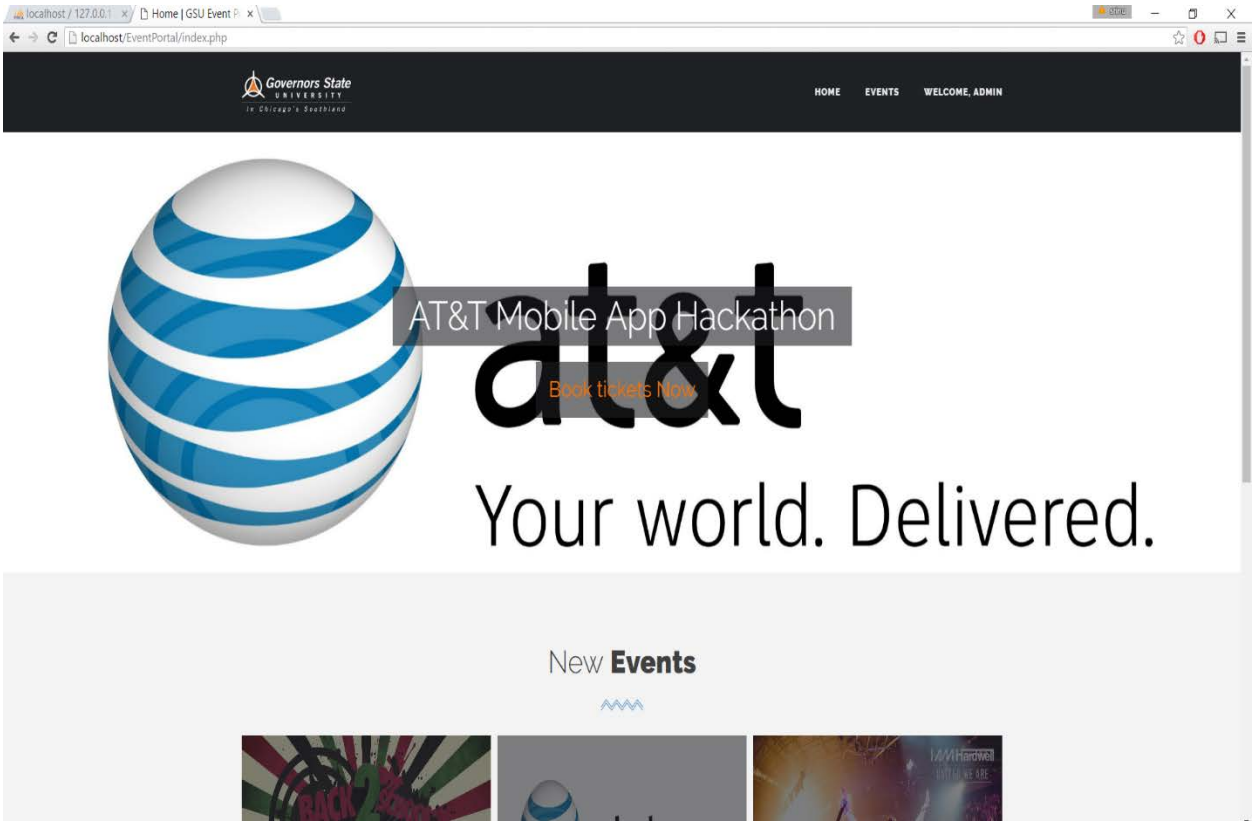
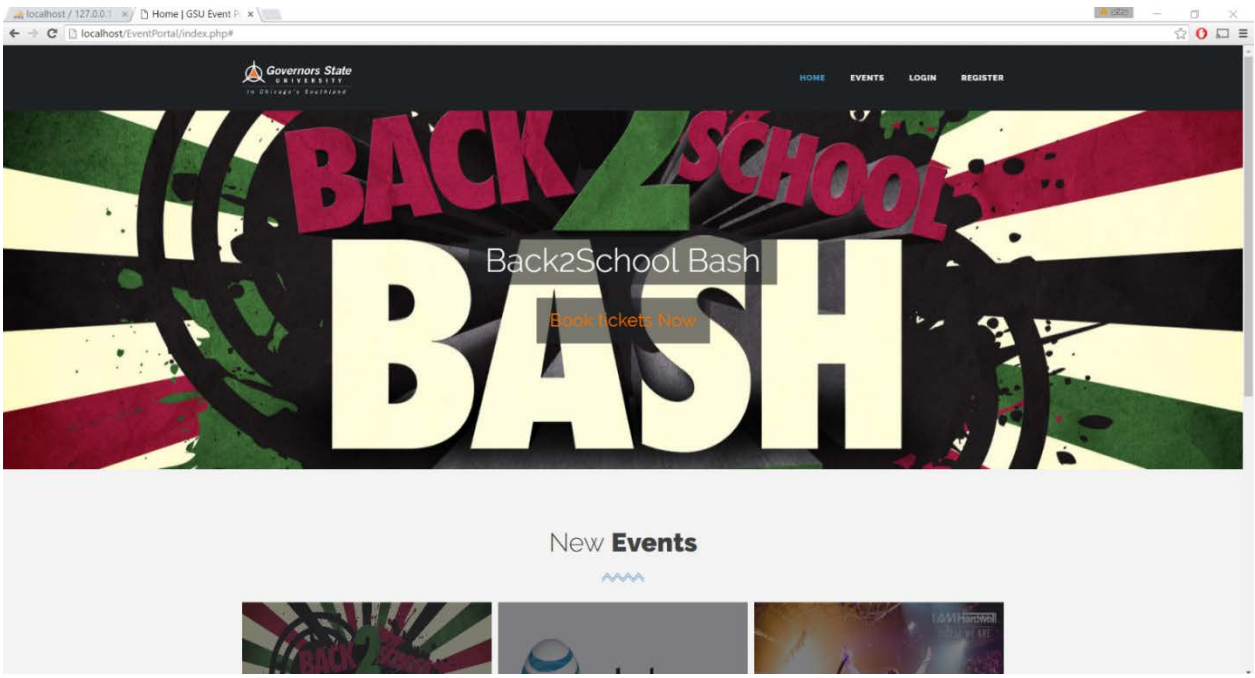
https://blog.udemy.com/xampp-tutorial/

Screenshots

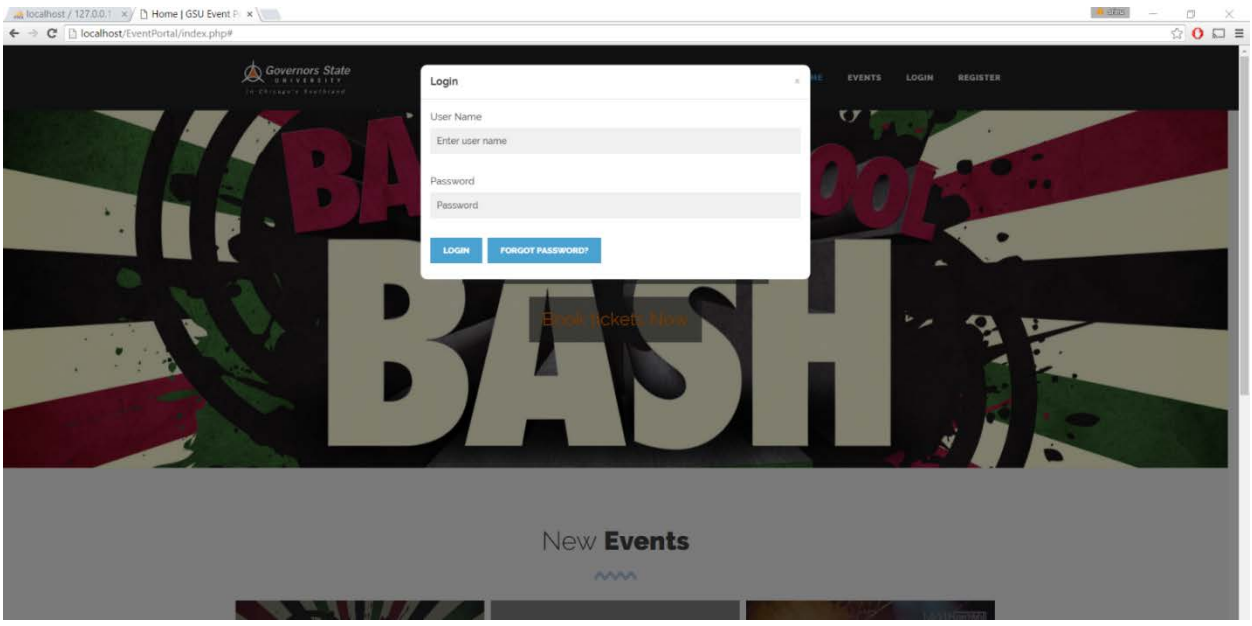
Admin logged into the page of the GSU Event Portal.



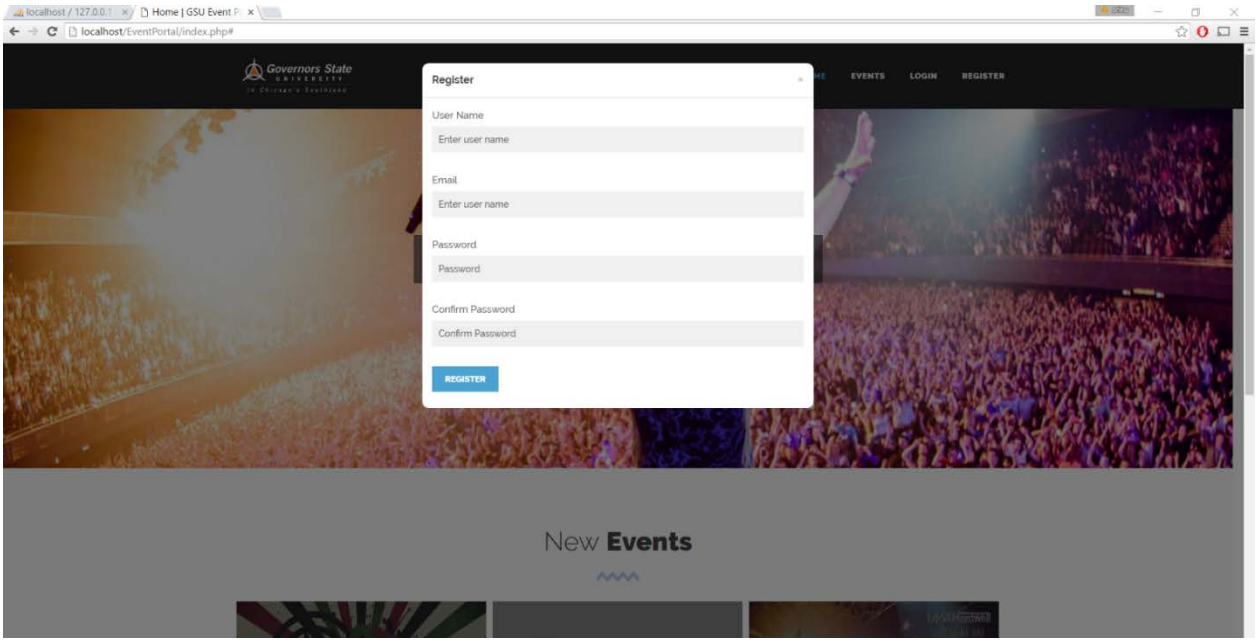
Home Page:



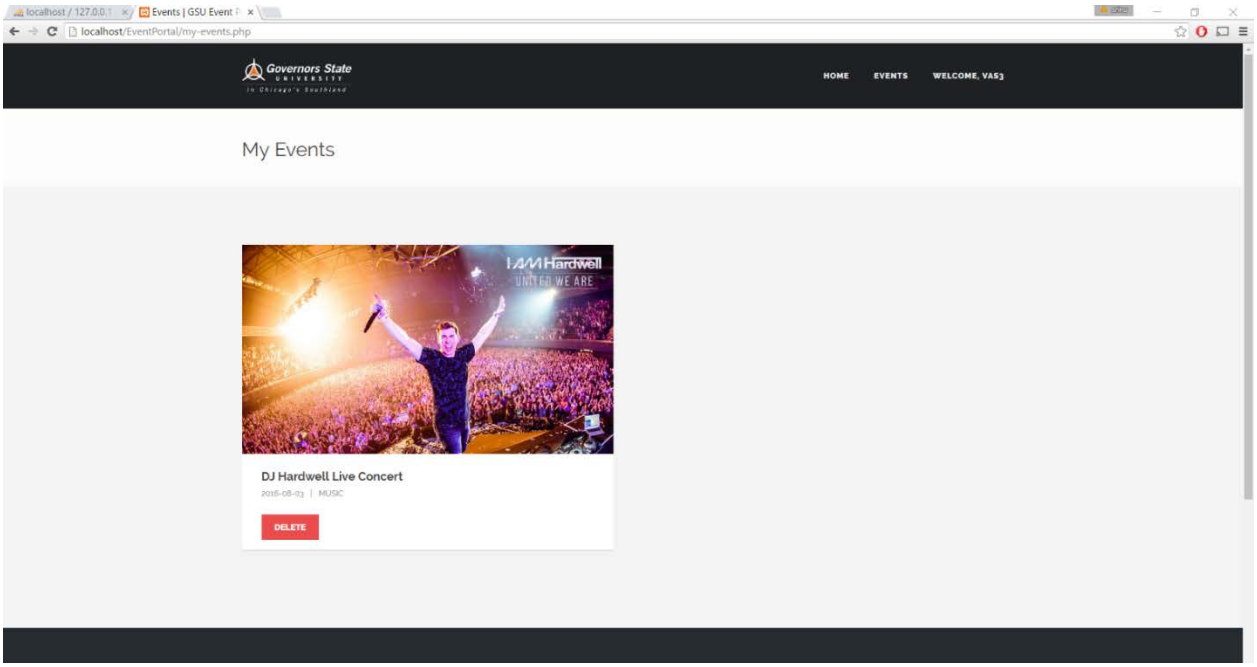
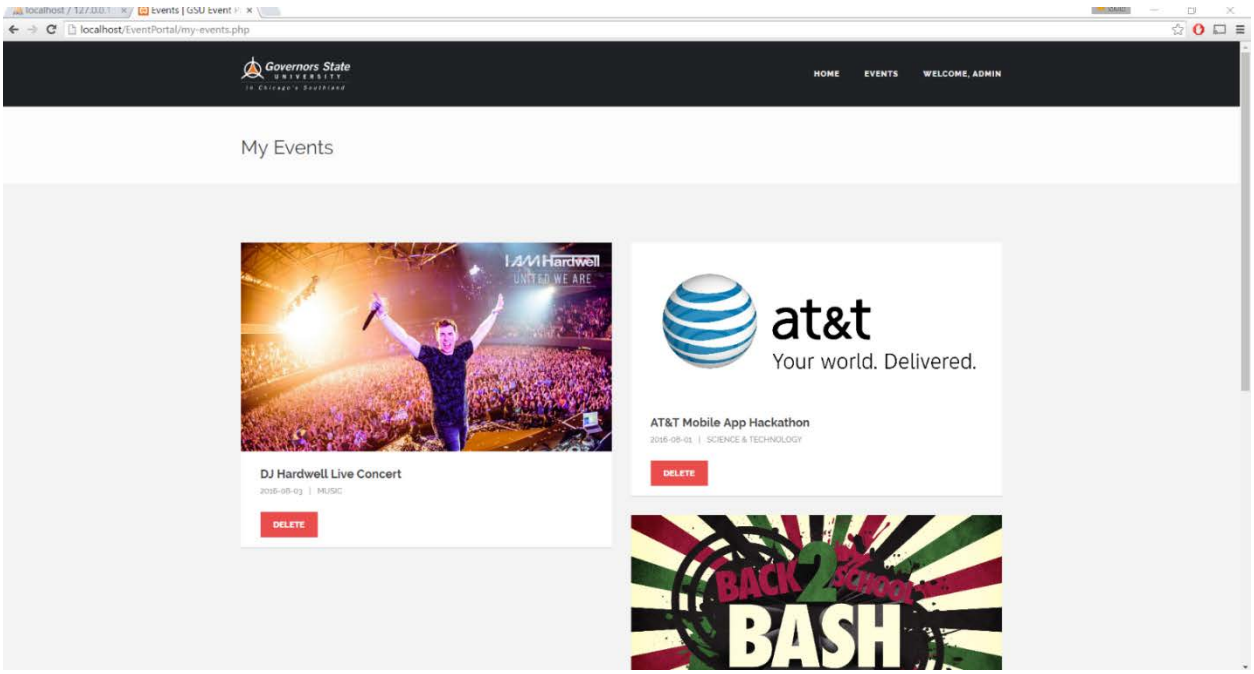
Login page of the GSU Event Portal.



Registration page of the GSU Event Portal.



Registered users can create an event or delete their own event only.



Admin can delete any events in the portal.