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GSU Event Portal

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ABSTRACT

This is GSU Event portal platform used for event registrations and also gives access to organizers to create, promote and manage events. Here we have three roles organizer, admin and visitor. This platform will be mobile friendly, easy-to-navigate and communicate which enable organizers to manage events, and help visitors discover events and register. This application allows visitor to search the events by name, date. The application highlights are every role has their access restrictions.

Organizer will describe the details about the events in the website. Organizer can give discount to all visitors or for few, by providing the coupon code. The admin can access any data. This GSU Event Portal will solve a major problem with the current student portal - GSU student boredom.

The GSU Event Portal will be an excellent addition to the existing GSU Student Portal, and will be used by all GSU students. The GSU Events feature will be ready for release December 4th, 2017.

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1. Feature Description

This application have three roles admin, Organizer and visitor. Here admin or organizer will have access to check the registered students and events. The admin can delete a profile of registrations. The data is available 24/7. The website can be accessed in any device.

The admin and organizer can view, edit and delete an events. The best feature is data storage and accuracy. It is the important feature because the visitor can store and retrieve his data anytime. It maintains every track of changes and login information and payment transactions. We are using a single database for this project.

1.1 Competitive Information

The GSU Event Portal is an organization that doesn't compete with any but has the potential to serve in the best possible way.

1.2 Assumptions and Dependencies

There will be a system to determine where the events held. We depend on server to run the DB on. The software will be able to record registrations, recognize events, and reserve certain database rights based on the roles. We give a structure for the data and allow other roles to also use it, but do not provide that additional functionality.

1.3 Future Enhancement

There will be regular updates and changes in website and also database. The admin and organizer can create and delete the events. In future we want to expand the application, promote other universities to use it. This web application and database can be further evolved or used as a web application.

1.4 Definitions and Acronyms

GSU-Governor's State University

IP-Internet Protocol
DNS-Domain Name Server
HTML-Hyper Text Markup Language.
Admin-Administrator
CSS-Cascading Style Sheet.

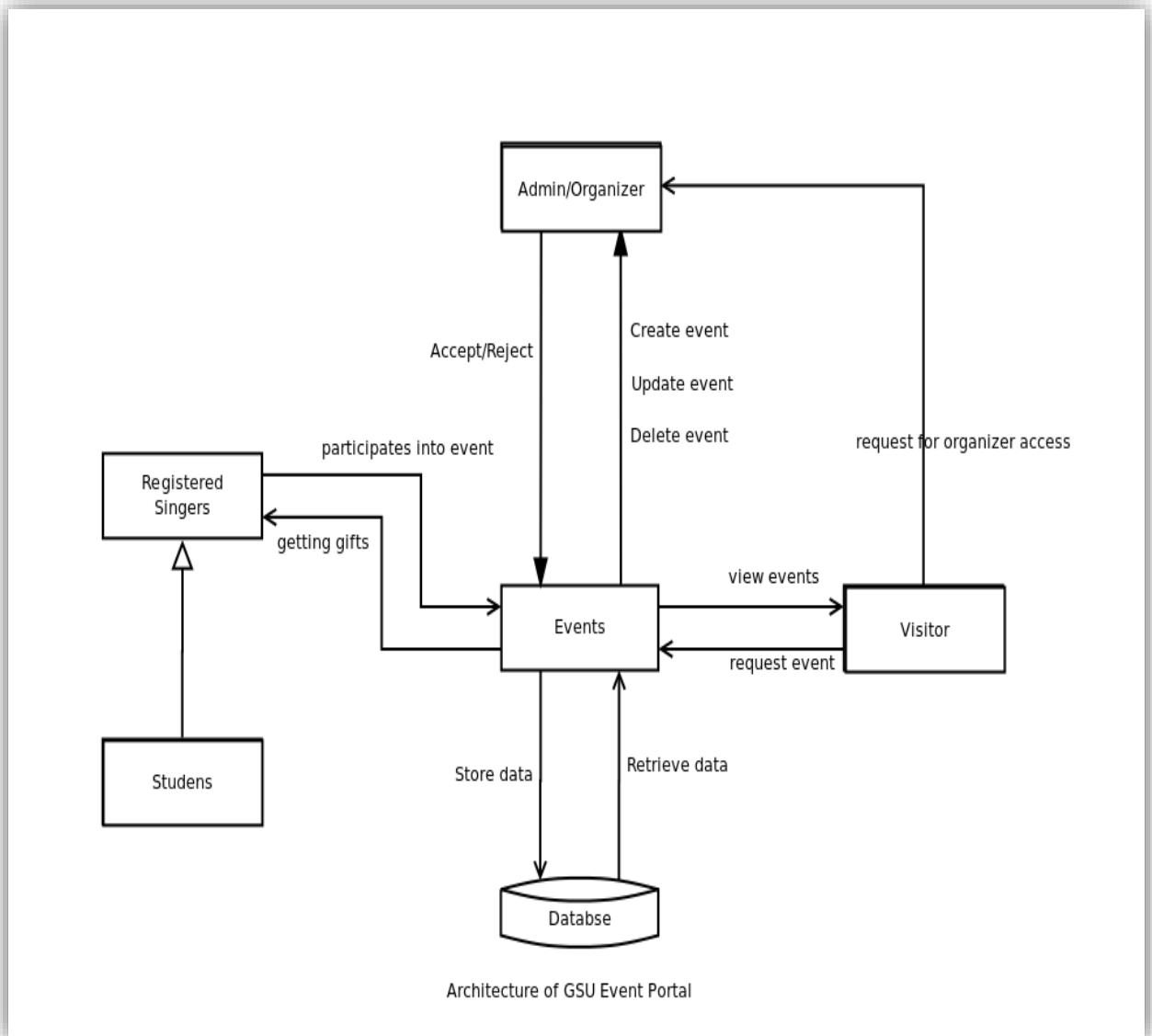
2. Project Technical Description

We used the PHP and xamp server, bootstrap, HTML, CSS and JavaScript. The database is a MYSQL workbench Type with a version 6.3. And it's an open source DB, which makes it a lot easier to customize and add features into the database in the future. The name of the database is "GSU".

Programming: PHP
Database: MySQL
Version: 6.3
Front End: Bootstrap, HTML, CSS, JavaScript, JQuery
DB Name: GSU
Server: Apache Server

2.1 Application Architecture

Describing system architecture of your project



2.2 Application Information flows

- We are using a single centralized database with four sub-systems that organize the tables.
- It provides the information about the events in the university.
- This increases communication between organizer and students.
- This will be a user-friendly application, which allows the visitor to add participants anytime.
- This application will be available 24/7.

2.3 Interactions with other Applications

This application interacts with SQL Server and google maps.

2.4 Capabilities

All tables can be modified by adding, modifying, or deleting entities. Data will be backed up at the granularity of each row. The system is secured by having permission levels for the users who can directly access the database as well as abstraction through a 3rd party piece of software that we do not provide, but will be compatible with. The website is live and we have a backup files by the 00webhost.com.

2.5 Risk Assessment and Management

We will provide unique id and password by their own for every role. Database can detect the sensitive data and secure them. Security threats will be reported and cleared as soon as possible. Effective handling of the database. This feature facilitates all business transactions of the visitors. The data integrity might be compromised when any of the three parties causes a modification in the data.

We will restrict organizers and visitors from making changes to the database, as well as having regularly scheduled maintenance times.

Website code and Database availability will be (24/7). To insure the integrity of the database, a weekly routine maintenance will be performed to fix and correct any development & DB issues. So, all data will be updated in real time and in-sync all the time.

3. Project Requirements:

3.1 Identification of Requirements

User Info:

<GSU-GS_SP2016-1 user-info-000101>

Using this **user-info-000101** entity feature we can add the details of the new users to **create** a **user_info** table by attributes of `id`, `email`, `username`, `password`, `confirm`, `mobile` and `role`

Implementation: Mandatory.

<GSU-GS_SP2016-1 user-info-000102>

Using this **user-info-000102** entity feature we can add the details of the new users to **update** a **user_info** table by attributes of `id`, `email`, `username`, `password`, `confirm`, `mobile` and `role`

Implementation: Mandatory.

<GSU-GS_SP2016-1 user-info-000103>

Using this **user-info-000103** entity feature we can add the details of the new users to **delete** a **user_info** table by attributes of `id`, `email`, `username`, `password`, `confirm`, `mobile` and `role`

Implementation: Optional

<GSU-GS_SP2016-1 user-info-000104>

Using this **user-info-000104** entity feature we can add the details of the new users to **select** a **user_info** table by attributes of `id`, `email`, `username`, `password`, `confirm`, `mobile` and `role`

Implementation: Mandatory

login info:

<GSU-GS_SP2016-1 login-info-000101>

Using this **login-info-000101** entity feature we can add the details of the new users to **create** a `id`, `email`, `username`, `password`, `role` FROM **login_info** table

Implementation: Mandatory.

<GSU-GS_SP2016-1 login-info-000102>

Using this **login-info-000102** entity feature we can add the details of the new users to **update** a
`id`, `email`, `username`, `password`, `role` FROM `login_info` table

Implementation: Mandatory.

<GSU-GS_SP2016-1 login-info-000103>

Using this **login-info-000103** entity feature we can add the details of the new users to **create** a
`id`, `email`, `username`, `password`, `role` FROM `login_info` table

Implementation: Mandatory.

<GSU-GS_SP2016-1 login-info-000104>

Using this **login-info-000104** entity feature we can add the details of the new users to **delete** a
`id`, `email`, `username`, `password`, `role` FROM `login_info` table

Implementation: Mandatory.

<GSU-GS_SP2016-1 login-info-000105>

Using this **login-info-000105** entity feature we can add the details of the new users to **select** a
`id`, `email`, `username`, `password`, `role` FROM `login_info` table

Implementation: Mandatory.

Event:

<GSU-GS_SP2016-1 event-000101>

Using this **event-000101** entity feature we can add the details of the new users to **select** a `id`,
`name`, `description`, `price`, `url`, `login_email` FROM `event` table.

Implementation: Mandatory.

<GSU-GS_SP2016-1 event-000102>

Using this **event-000102** entity feature we can add the details of the new users to **insert** a `id`,
`name`, `description`, `price`, `url`, `login_email` FROM `event` table.

Implementation: Mandatory.

<GSU-GS_SP2016-1 event-000103>

Using this **event-000103** entity feature we can add the details of the new users to **update** a `id`, `name`, `description`, `price`, `url`, `login_email` FROM `event` table.

Implementation: Mandatory.

<GSU-GS_SP2016-1 event-000104>

Using this **event-000104** entity feature we can add the details of the new users to **delete** a `id`, `name`, `description`, `price`, `url`, `login_email` FROM `event` table.

Implementation: Mandatory.

Payments:

<GSU-GS_SP2016-1 payments-000101>

Using this **payments-000101** entity feature we can add the details of the new users to **select** a `id`, `bankname`, `account_no`, `amount`, `paydate`, `event_id`, `email_id` FROM `payments` table.

Implementation: Mandatory.

<GSU-GS_SP2016-1 payments-000102>

Using this **payments-000102** entity feature we can add the details of the new users to **insert** a `id`, `bankname`, `account_no`, `amount`, `paydate`, `event_id`, `email_id` FROM `payments` table.

Implementation: Mandatory.

<GSU-GS_SP2016-1 payments-000103>

Using this **payments-000103** entity feature we can add the details of the new users to **update** a `id`, `bankname`, `account_no`, `amount`, `paydate`, `event_id`, `email_id` FROM `payments` table.

Implementation: Mandatory.

<GSU-GS_SP2016-1 payments-000105>

Using this **payments-000105** entity feature we can add the details of the new users to **back up** a `id`, `bank name`, `account_no`, `amount`, `pay date`, `event_id`, `email_id` FROM `payments` table.

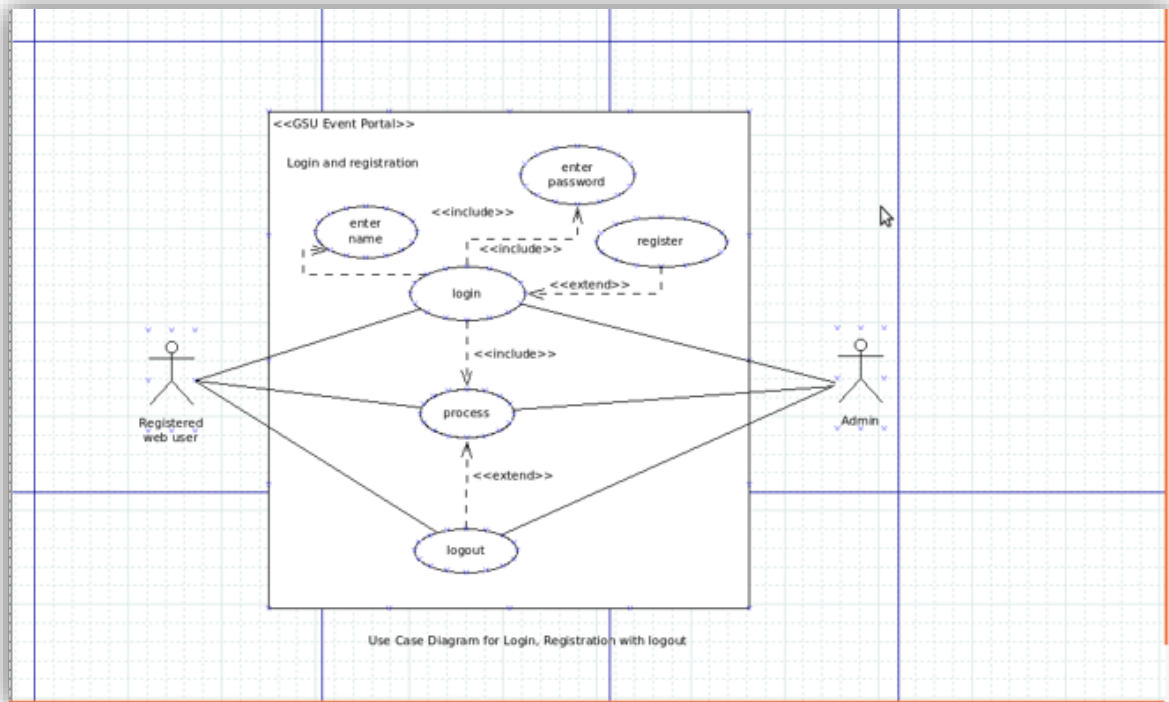
Implementation: Mandatory.

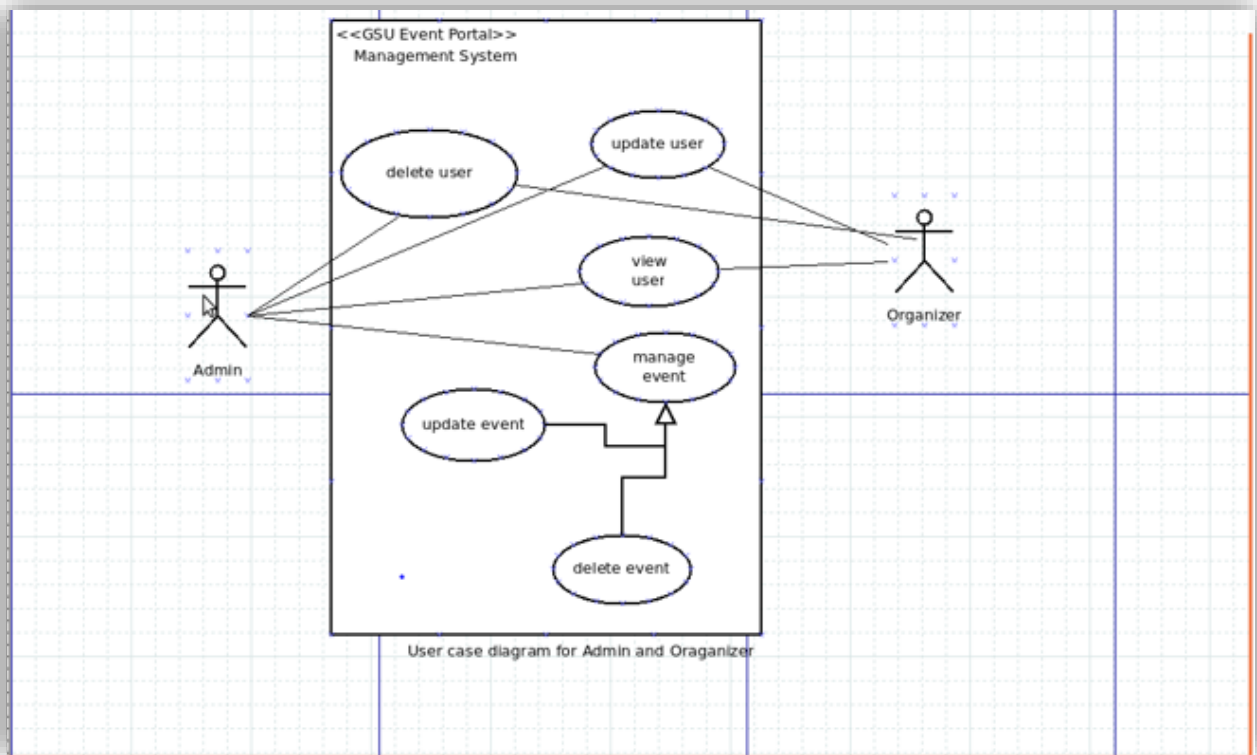
<GSU-GS_SP2016-1>

Using this **GSU-GS_SP2016-1 database** feature we can add the details of the new users to **backup**.

Implementation: Mandatory.

Use Case Diagrams:





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

The user password is encrypted. The users can also contact administrator (Sairam) for password and username reset.

The admins are the only ones with the highest permissions; they will have full access to the tools that MySQL provides them to manipulate the database.

Visitors may contact to purchases and even to reset their id and password, which can have done only by answering the security question.

Additionally, every week there will backups any fault recovery will be able to successfully revert actions based events data records as well as the built-in fault recovery of MySQL.

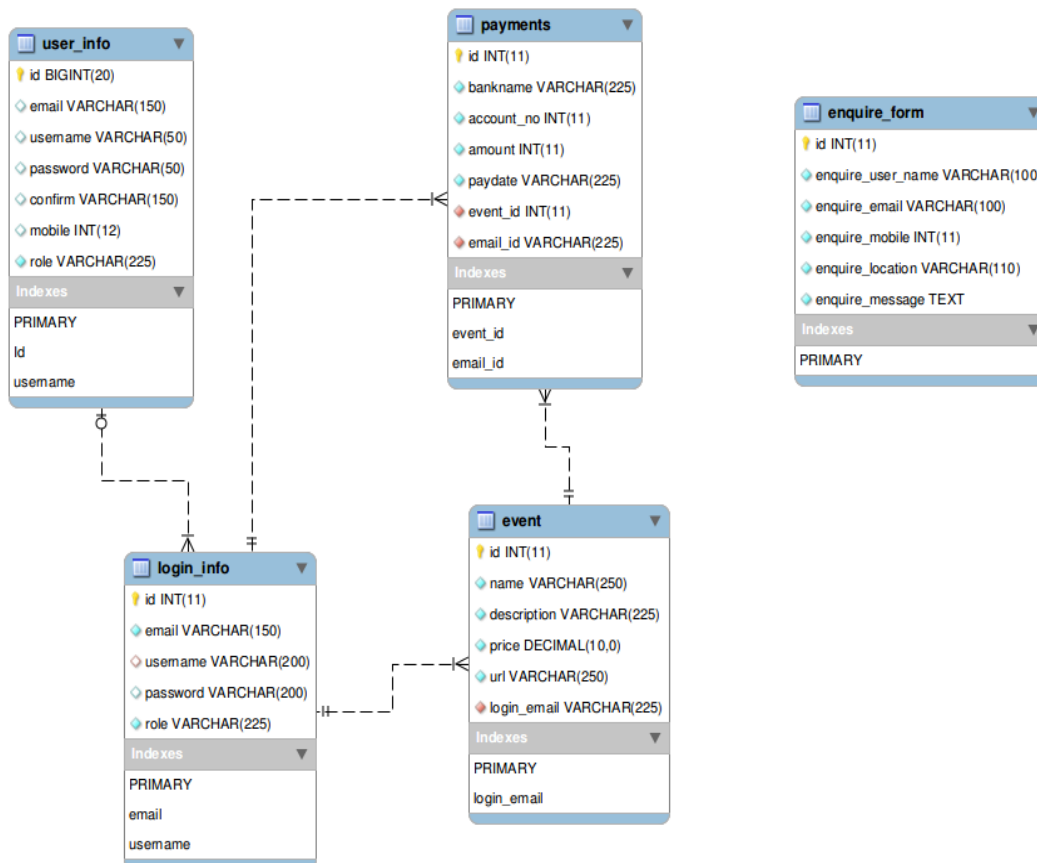
3.3 Release and Transition Plan

No transition plans because it is a new database for a GSU events. The website responsibility is assigned to the web developer; they can access the DB through SQL.

4 Project Design Description

We have designed front end by the bootstrap, CSS framework with JQUERY. The server code done by the PHP technologies. The database has used by the MySQL workbench tool or phpmyadmin. GSU Event portal allows visitor to check and register events.

4.1 ER Diagram:

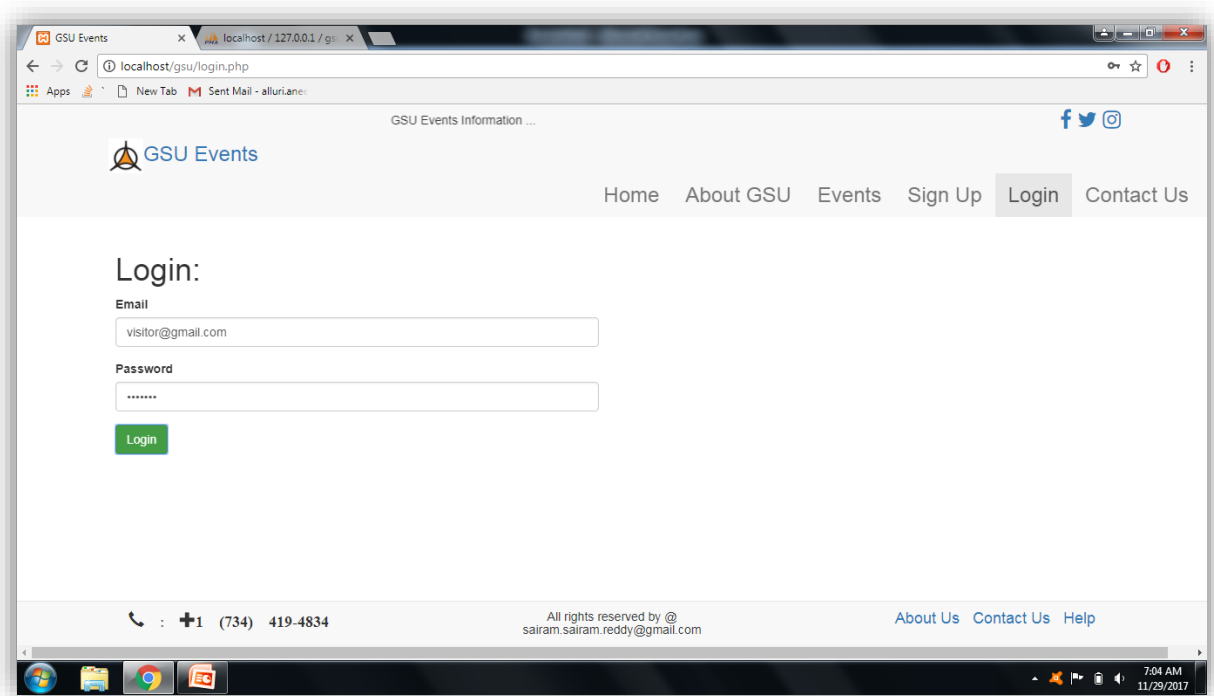


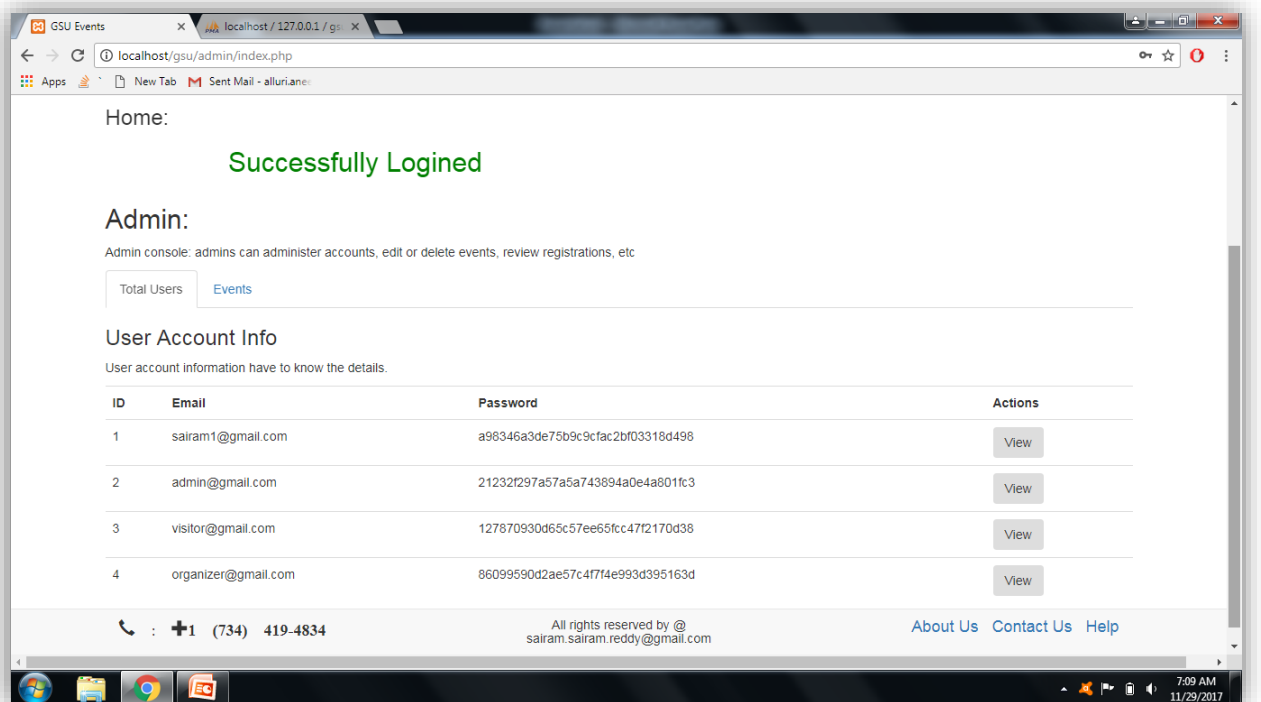
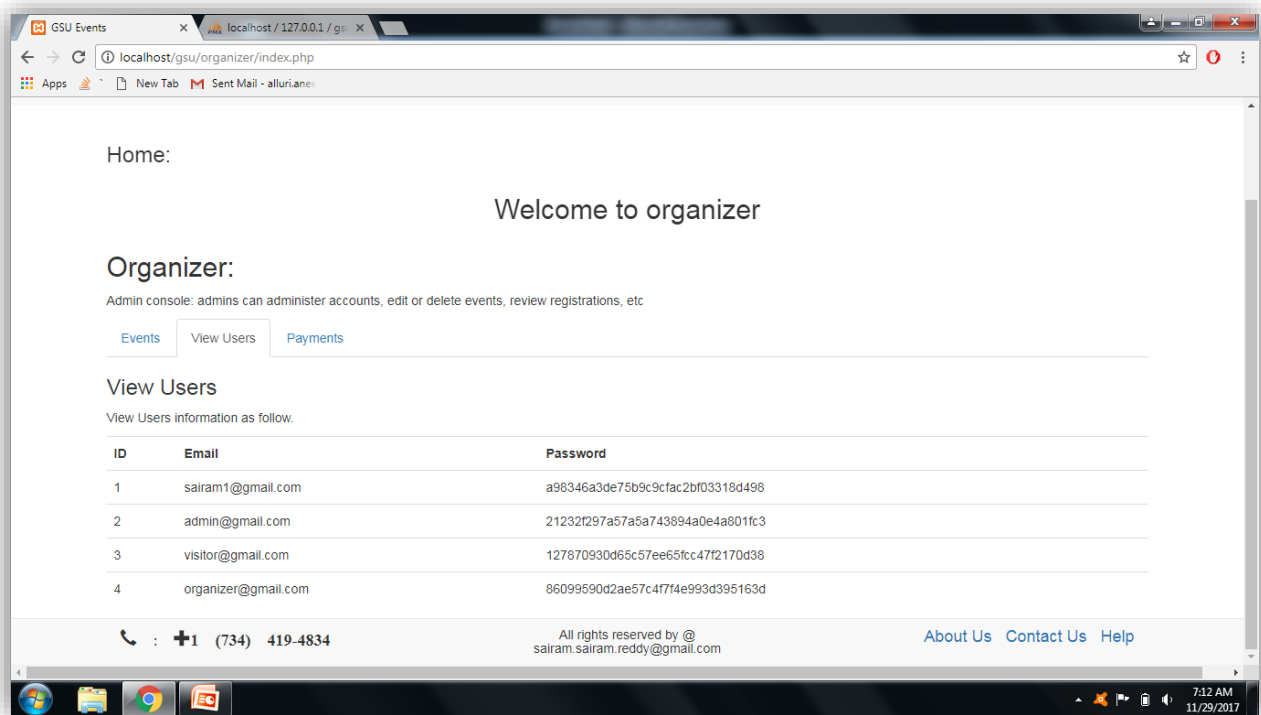
5. Internal/external Interface Impacts and Specification

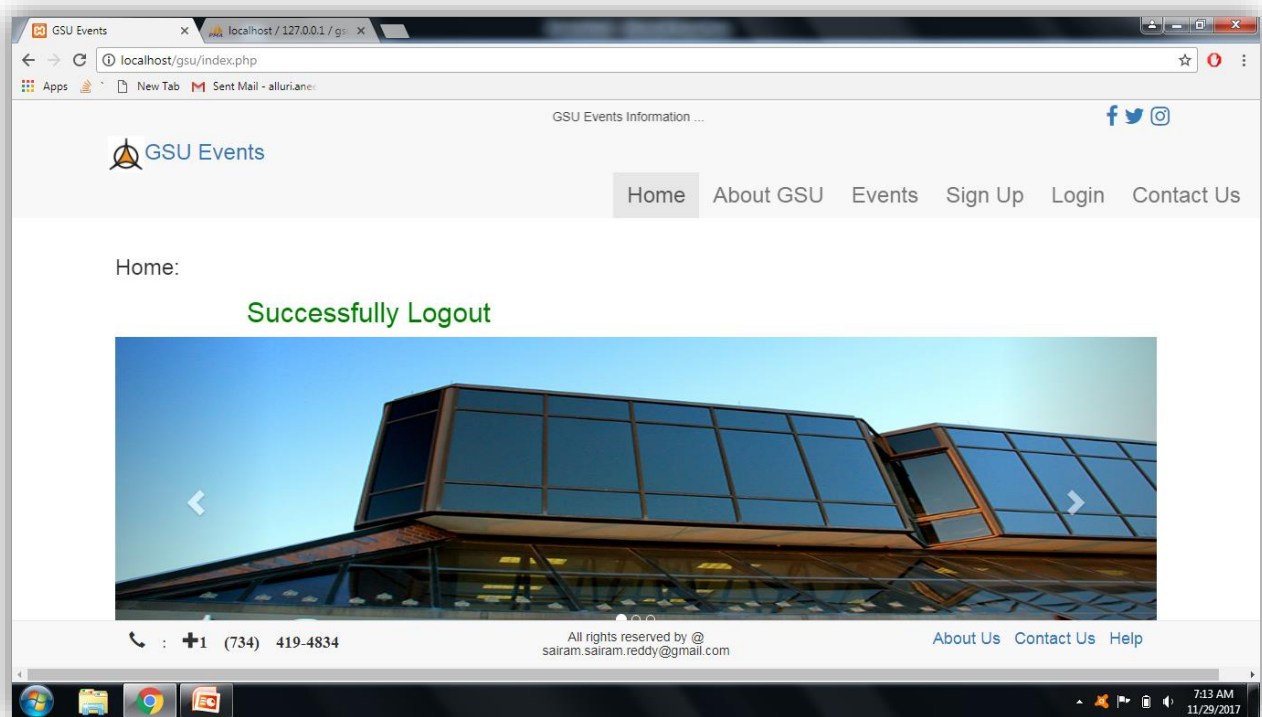
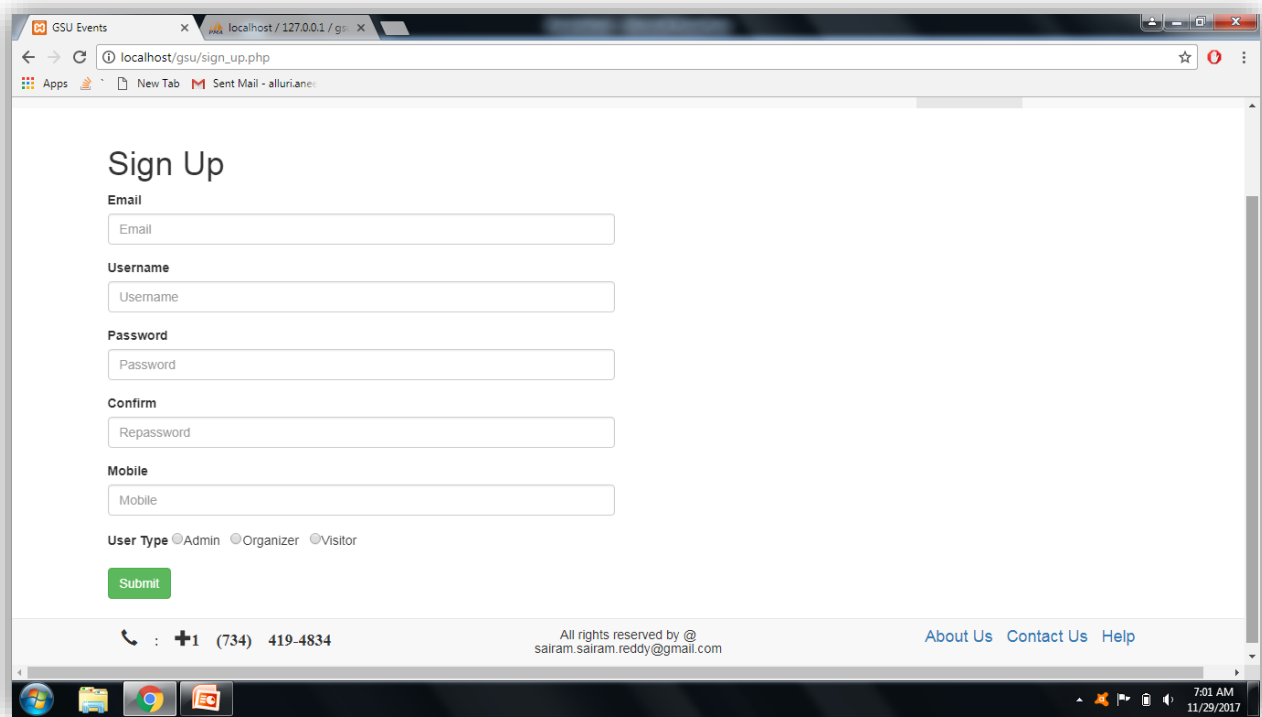
Internal Interface

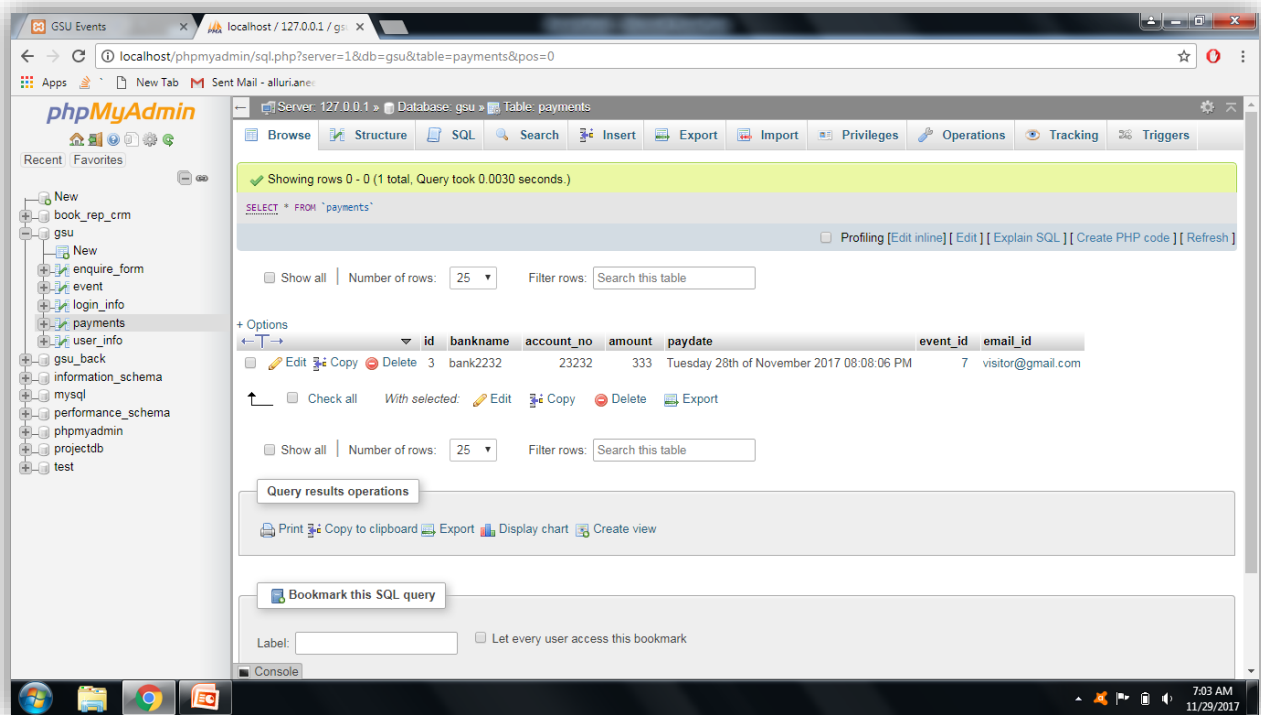
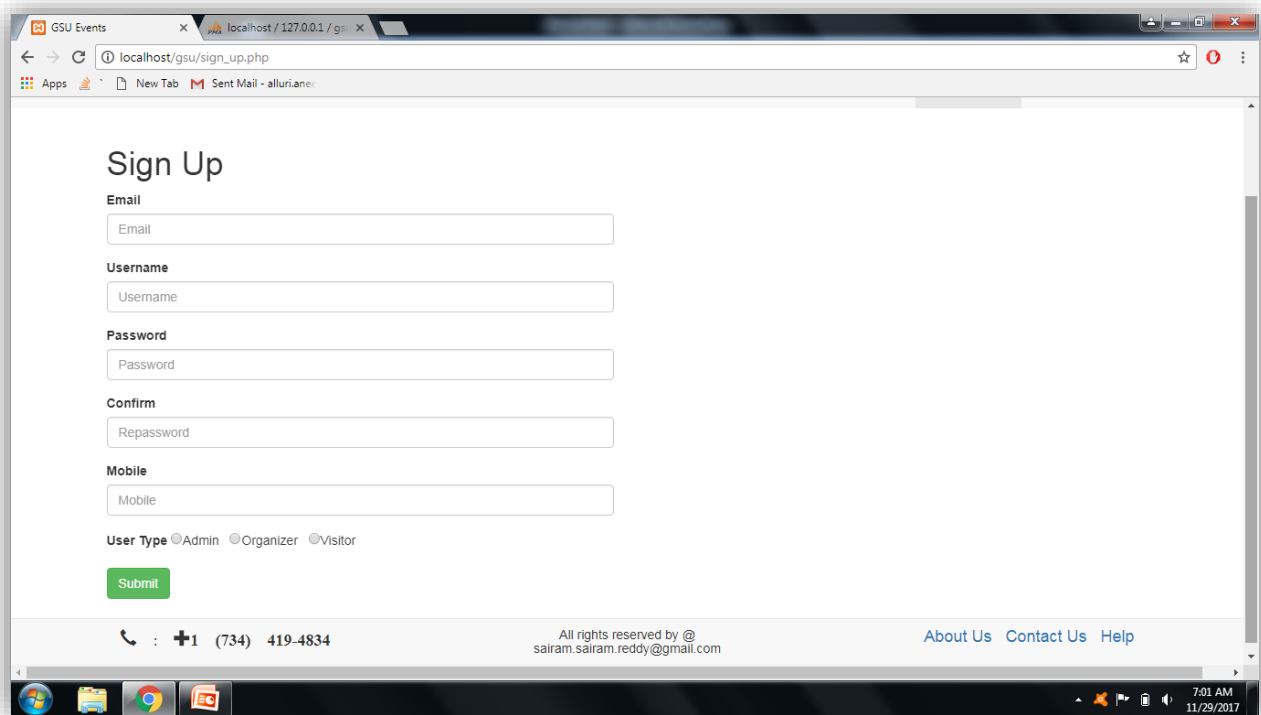
In this internal interface a soft copy for every transaction of the application is maintained. Only administrator is allowed to add, edit and remove the copy. This data is made available to use by the server and clients by using DBMS or RDMB with some software tools.

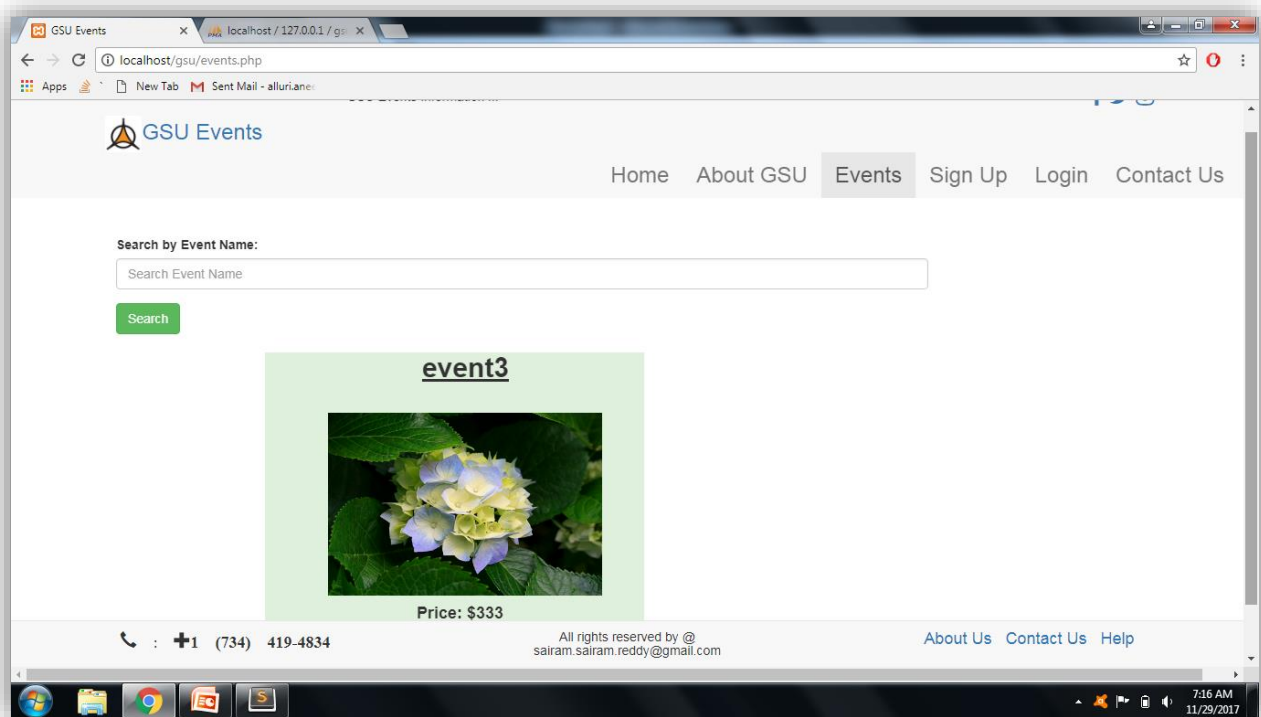
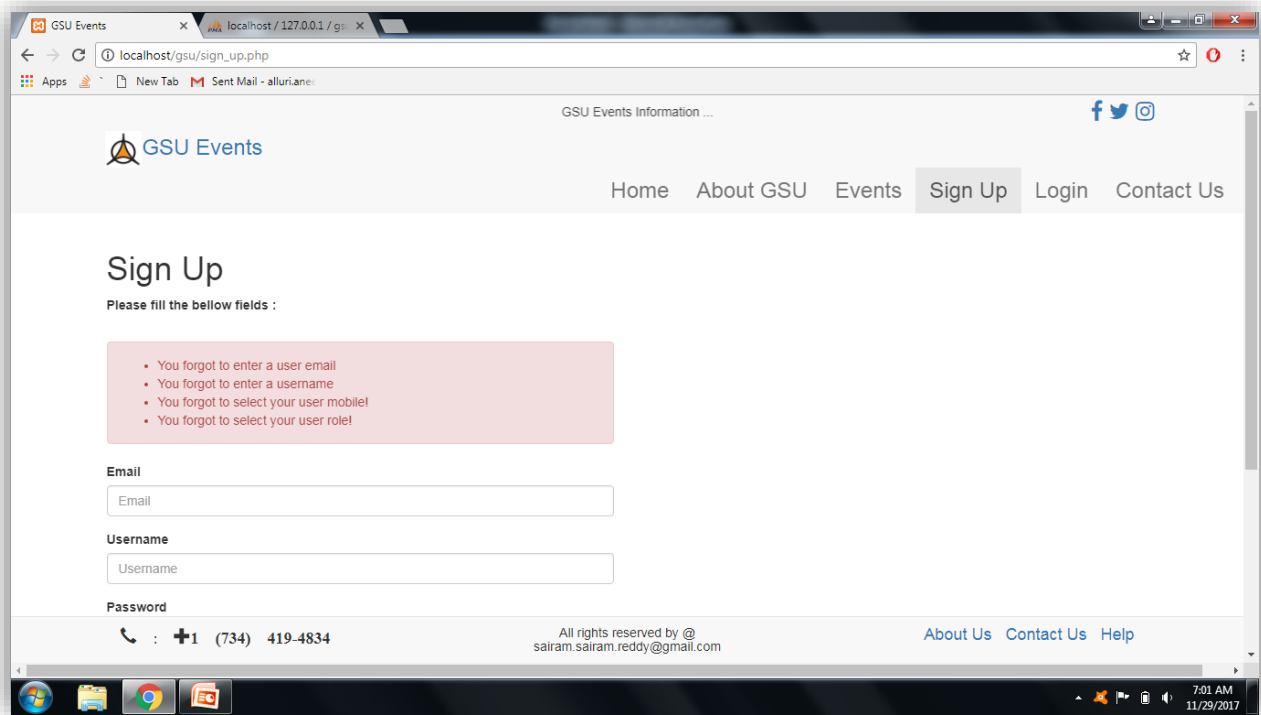
User Interface:











6. Design Units Impact:

This GSU Events Portal has three functional units. Events info which allows to register new events. Payment info which allows visitor to make payment for registered event. User info contains the data of registered user. Data in user info cannot be deleted.

6.1 Functional Area A/Design Unit A

6.1.1 Functional Overview

The current functionality may change impacts in the future. We can understand the basic project or website requirements based on the functionality requirements.

6.2 Impacts

In the future things may be changing day to day so we have to update some changes based on the expected requirements. These are as follow.

- Changes in the new software requirements and software requirements.
- Updates of the latest database servers or tools.
- May add third party web servers with some hosting services.

7. Open Issues

The only open issue is the payment gateway where we don't have any information about the card details.

8. Acknowledgements

We owe our gratitude to Professor Alex Liu our project coordinator. Who helped and supported us in every task till completion of the project.

9. References

www.w3schools.com

www.javascript.com