**WPWPWP**

Problem Statement

**Rose-Hulman Institute of Technology - CSSE 333**

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# Version Information

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| --- | --- | --- |
| **Version** | **Date** | **Comment** |
| 1.0 | 04/03/2015 | Initial Draft |
| 1.5 | 05/15/2015 | Updated Draft |

# 1.Exclusive summary

The purpose of this document is to describe the problem that our project will solve. An Entity Relationship (ER) diagram has been created to associate with this project. The goal of our project is to create a campus-based online system, which students, faculties, staff and student organizations can use this system to publish and share their events. This document is the first document to describe the problem, to be followed by others, as covered in the introduction. This document also contains a high level problem summary a detailed problem statement, and some information about the stakeholders.

The on-campus activities and events are a large portion of college life. However, currently, all those kinds of events are announced via SharePoint ®, such as Academic Seminar or posted calendar on webpages, like IM Field activities. In this way, students, faculties and staffs barely have interactions either with these events and activities, or with other friends. So, it is exigent to find a new way to keep all members be involved in. To solve this, we develop this new system, which generate a new, easy, efficient and convenient way, to tack events and schedules. Also, this this system will give students a new solution to create, join and share activities. In this way, we hope everyone can interact with campus more.

# 

# 2. Introduction

This document is about to describe out WPWPWP campus event management system. Also, an Entity Relationship Diagram and a list of tables of the system will be included. Following this document will be relational schema, a security analysis, some periodic reports, and a final presentation. This document will give an overview of the proposed system and functions can be done with this system. The Entity Relationship Diagram will demonstrate the entities and the relations between them. The relational schema will describe the constraints of the database based upon the Entity Relation Diagram. The final presentation will demonstrate the structure and functions of the completed system, as well as describing the process of creating the system.

# 

# 3. High Level Problem Summary

## 3.1 Elevator Statement

We are designing a campus-based event management system in order to enhance the interaction between users and keep track of the status of all events and activities as well.

## 3.2 Primary Success Criteria

Our primary goal is to provide an application for user to communicate with each other. Upon that, users can create and join events they are interested in. The function of tracking the information of events that they associated with will also be provided. The success of the system depends on how many events are successfully held; how convenient it makes for the users to participate in various events and how much these events the relationships between people.

## 3.3 Scope

### 3.3.1 Within Scope

1. Staff

2. Students

3. Campus Security

### 3.3.2 Outside Scope

1. Parents

# 4. Detailed Problem Statement

## 4.1 Function

### 4.1.1 Ability to track the current status of events.

### 4.1.2 Several types of queries can be done by users.

1. Check for events by specifying a time period, location, type or creater.

2. Create an event and setup the status and description of the event

3. Join public events and join private events with invitation

4. Invite other users to an event.

5. Get a schedule table of events by specifying constraints.

6. Get information about friends who share information

## 4.2 Form

### 4.2.1 Availability

• Web based, for convenient access on campus

• Secure access for individuals

### 4.2.2 Usability

• Fast lookup times of events.

• Easy interact between users.

• Efficient organize of events

# 5. Key Stakeholders

Name Role

Sriram Mohan Project Advisor

Zhihao Xue Project Team Member

An Hu Project Team Member

Tianjiao Mo Project Team Member

Student End User

# 6. References

[1] Rose-Hulman Sharepoint:

<https://web.rose-hulman.edu/eit/Services/Pages/SharePoint.aspx>

# 7 Glossary

Entity relationship (ER) diagram - An abstract way of representing the layout of a database.

# 8. Appendix

## 8.1 Tables

!User:

1. ID
2. username
3. password
4. contact info (email, phone number)
5. name

!Tag:

1. Tid
2. TagName
3. description

!Organization:

1. OID
2. name
3. type

!Event

1. EID
2. Name
3. Founder
4. type ( public or private )
5. active?
6. location
7. Time
8. Description

Relationship

1. UID1
2. UID2

EventTag

1. EID
2. TID

EventMember

1. EID
2. UID

!Invitation

1. IID
2. Title
3. message
4. EID
5. UID