**WPWPWP**

Problem Statement

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

Zhihao Xue

Tianjiao Mo

An Hu

# Table of Contents

**Table of Contents**.................................................................................................................... 2

**Version Information**................................................................................................................ 2

[**1.Exclusive summary**](#h.fl6hyni97e9t).............................................................................................................. 3

[**2. Introduction**](#h.41w8nrgeagzx)......................................................................................................................... 4

[**3. High Level Problem Summary**](#h.5ojzywcfmxjr).......................................................................................... 5

[3.1 Elevator Statement](#h.jmnludrsaif6).................................................................................................. 5

[3.2 Primary Success Criteria](#h.ha2greuetx7f)......................................................................................... 5

[3.3 Scope](#h.jt3r61wbpmo6)....................................................................................................................... 5

[3.3.1 Within Scope](#h.k43v3bqzkra4)................................................................................................... 5

[3.3.2 Outside Scope](#h.kvg69ib2xuhk)................................................................................................ 5

[**4.Detailed Problem Statement**](#h.2dwqeve0yu7g)............................................................................................... 6

[4.1 Function](#h.az1ot312s38s)................................................................................................................... 6

[4.1.1 Ability to track the current status of events.](#h.o0nkmkujt6ci)................................................... 6

[4.1.2 Several types of queries can be done by users.](#h.8diaa74u1bil)............................................ 6

[4.2 Form](#h.v0g2tiy1680x)........................................................................................................................ 6

[4.2.1 Usability (To do)](#h.1arq6xboz8w3).............................................................................................. 6

[**5. Key Stakeholders**](#h.7sx1x9g0ghmj)................................................................................................................ 7

[**6. References**](#h.9xd3mdjklm26)........................................................................................................................... 7

[**7 Glossary**](#h.3j6u4ti7k97f)................................................................................................................................ 8

[**8. Appendix**](#h.lsf2x7837897).............................................................................................................................. 8

[8.1 Tables](#h.7x86x8lvsgsf)...................................................................................................................... 8

# 

# Version Information

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Comment** |
| 1.0 | 04/03/2015 | Initial Draft |

# 1.Exclusive summary

The purpose of this document is to describe the problem that our project will solve. An Entity Relationship diagram has been created to associate with this project. The goal of our project is to create an on-campus online event publish and share system. This document is the first document describing the problem, to be followed by several 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. However, currently, all those events are announced via SharePoint ®, such as Academic Seminar or posted calendar on webpages, like IM Field activities. In this way, students barely have interactions with either these events and activities, or other students. So, it is exigent to find a new way to keep students involved in. To solve this, we develope a new system, that would allow efficient, easy, and convenient tracking of events and schedule. This system will give students a new solution to create, track and share events and schedules and interact more with campus life.

# 2. Introduction

This document is the first document describing our WPWPWP campus event

management system. Also included is an ER diagram and a list of tables of the system.

Following this document will be a 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 the system. The ER diagram will demonstrate

the entities and the relations between them. The relational schema will describe the

constraints of the database based upon the ER 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 event management system in order to enhance the interaction between users and also keep track of the status of all events.

## 3.2 Primary Success Criteria

Our primary goal is to provide a client for user to communicate with each other by creating and joining events and track the information of events that they associated with. The success of the system depends on how many events are successfully holded, how convenient it makes for the users to participate in various events and how much these events enhance 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 (i.e. location, status) who share information.

## 4.2 Form

### 4.2.1 Usability (To do)

• 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