

THE BIG EVENT

Amanda Necessary, Matt Ranochak, Ben Rairigh
Paul Lin
12/15/2015

Executive Summary

- ◎ This project was designed to:
 - Create a new way for volunteers to register
 - Improve the communication process
 - Create an innovative way to pair agencies and volunteers

Introduction

- ◎ The BIG Event is:
 - A day of service
 - Universities around the country participate in this event
- ◎ IPFW has participated since 2012

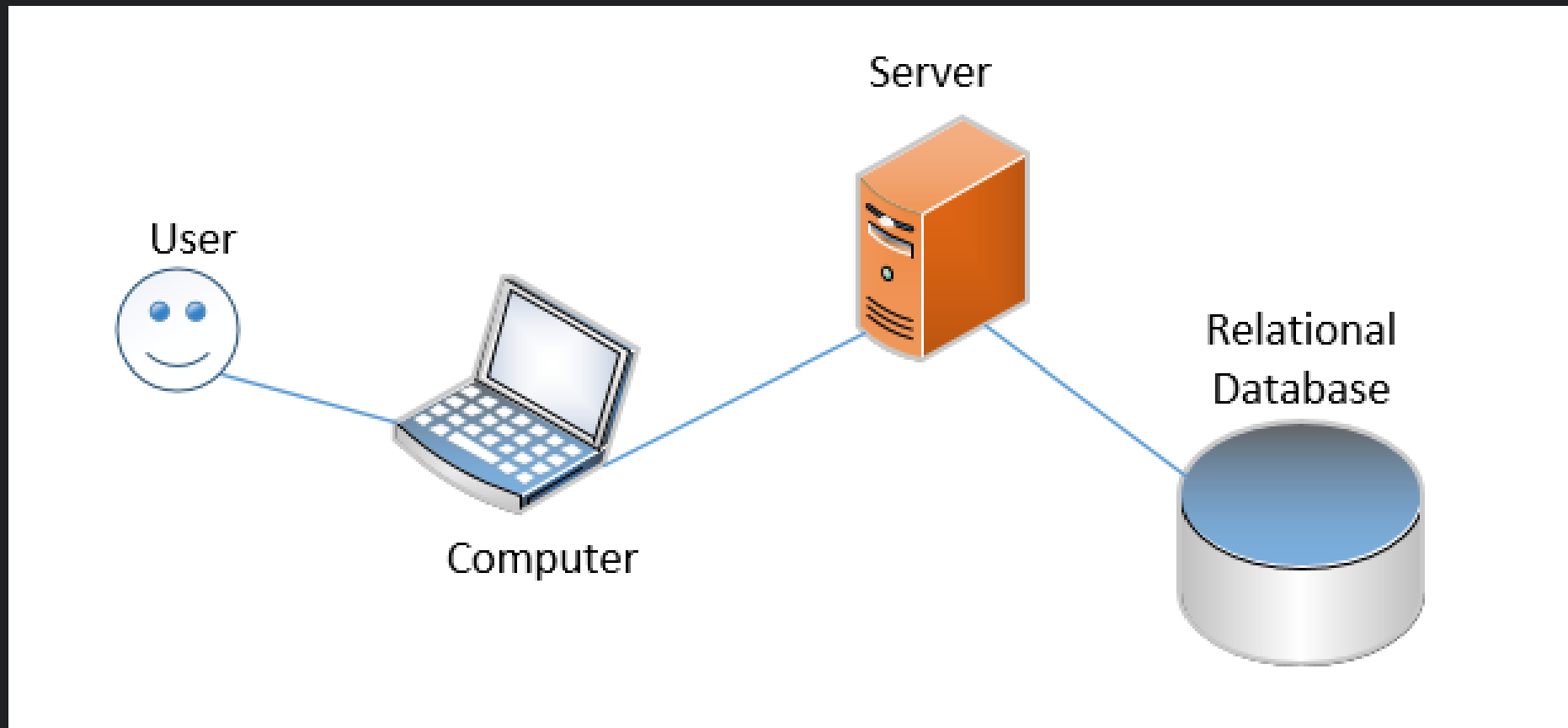
Problem Statement

- ⦿ 3 time constraints
 - Current registration software
 - Way agencies are paired
 - Communication process

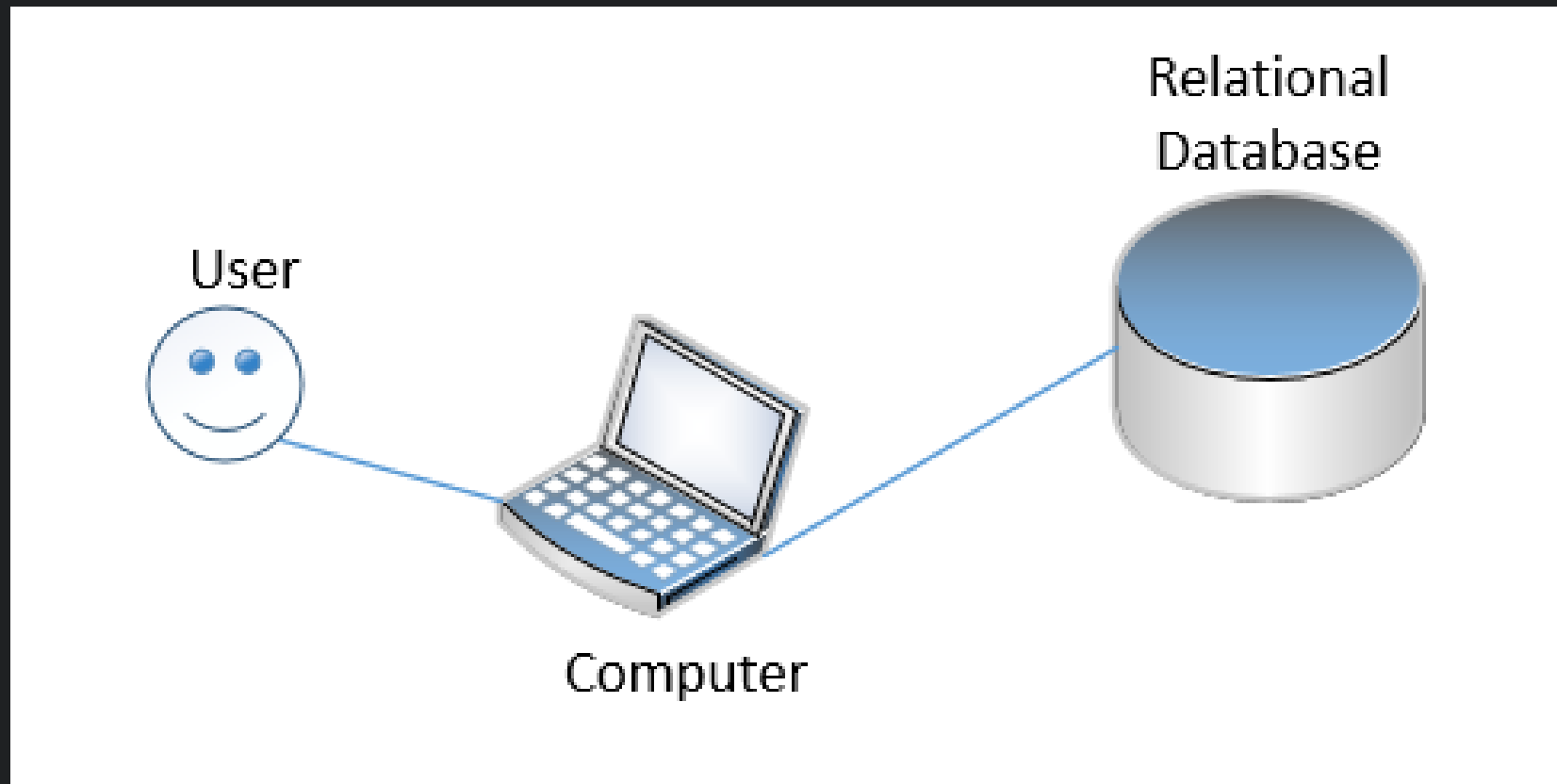
Solution

- ⦿ Web based application
- ⦿ This application allows for:
 - Volunteers to register more easily
 - An effective communication process
 - Cut the time it takes to make pairings

System Infrastructure Diagram - Proposed



System Infrastructure Diagram - Current



System Interaction Diagram



System Requirements - Software

○ Microsoft Access

- Microsoft Database Management System using the Jet Database Engine and a graphical user interface
- Can link directly to or import data stored in other applications and databases



System Requirements - Hardware

System


Processor: Intel(R) Core(TM) i7-6500U CPU @ 2.50GHz 2.59 GHz
Installed memory (RAM): 8.00 GB (7.90 GB usable)
System type: 64-bit Operating System, x64-based processor
Pen and Touch: Pen and Full Windows Touch Support with 10 Touch Points



[Support Information](#)

Computer name, domain, and workgroup settings

Computer name: DESKTOP-OSQB268
Full computer name: DESKTOP-OSQB268
Computer description:
Workgroup: WORKGROUP

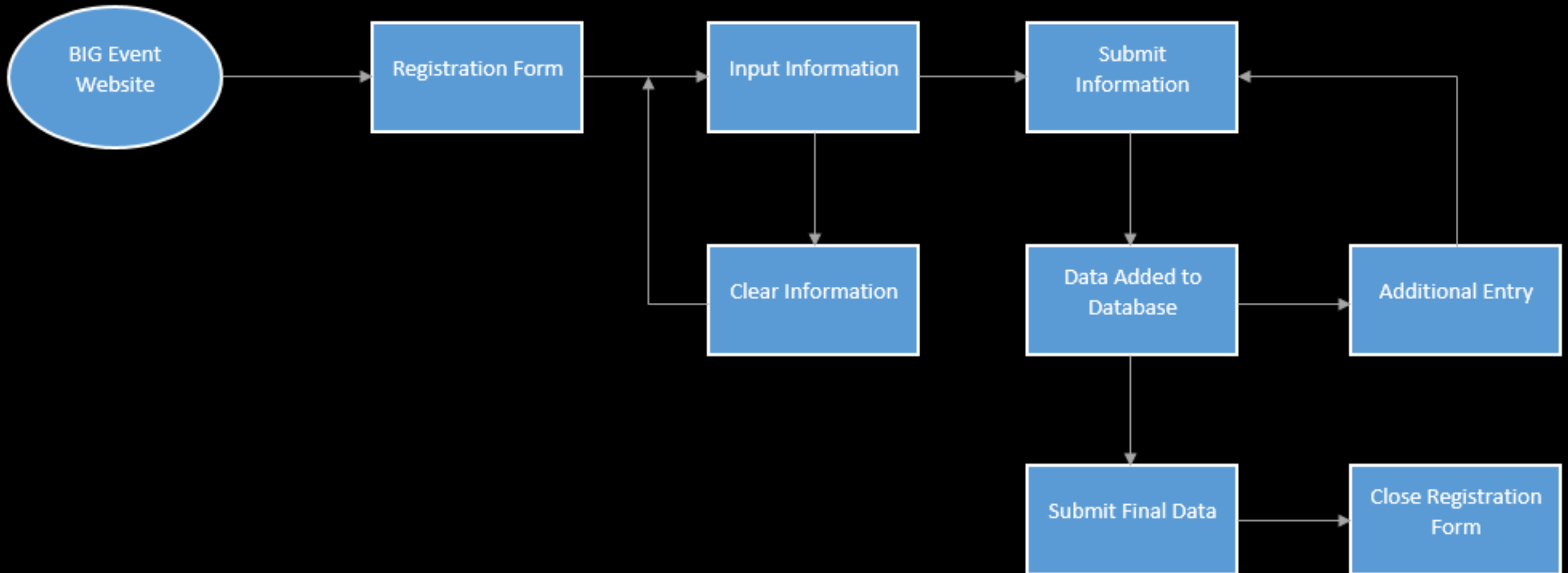
 [Change settings](#)

System Testing and Validation

◎ Peer testing


- We had past volunteers and group leaders test the database
- Based on their feedback changes were made
- All found this system much better than the current system


System Analysis



System Design

Software Architecture

tbl_Agencies	
	Agency
	Contact
	Phone Number
	E-mail
	Website
	Street
	City&Zip
	Category
	VolunteersNeeded
	Volunteers (Maximum)
	Provide Transportation?
	Provide Lunch?
	Volunteer Requirements
	Additional Information

tbl_IndividualVolunteers	
	FirstName
	LastName
	Email
	Phone
	EmergencyContactName
	EmergencyContactNumber
	RegistrationNumber

tbl_GroupVolunteers	
	GroupName
	Leader
	FirstName
	LastName
	Email
	Phone
	EmergencyContactName
	EmergencyContactNumber
	NumberOfVolunteers
	RegistrationNumber

System Design



New entry
information is sent to
the database



The new information
is then added to the
database

Simulation

frmGroupVolunteers

Group Name:

Leader:

First Name:

Last Name:

Phone:

Email:

Emergency Contact Name:

Emergency Contact Number:

Registration Number:

Group Name	Leader	First Name	Last Name	Email	Phone	Emergency C	Emergency C	Registration
Delta Sigma Pi	Yes	Amanda	Necessary	necea01@ipfw	(260) 555-5555	Laura	(260) 444-4444	7055
Delta Sigma Pi	No	Hannah	J	hrjban415@gm	(260) 111-2222	Beth	(260) 222-1111	7055
Delta Sigma Pi	No	Elysia	S	smalen01@stu	(260) 222-3333	Kevin	(260) 333-4444	7055
*								0

Record: 1 of 3 | No Filter | Search

Group Volunteers

Group	Name	Email	Phone	Emergency Contact	Emergency Number	Number of Volunteers
Team ASAP						10
	Kim	kmyers126@ivytech.edu	260-797-2261	Paula Ashe	260-797-2262	
	Paula	pashe@ivytech.edu	260-797-2262	Kim Myers	260-797-2261	
	Megan	mshuff1@ivytech.edu		Kim Myers	260-797-2261	
	Katherine	kbinkley1@ivytech.edu		Kim Myers	260-797-2261	
	Kiye	kbinkley1@ivytech.edu		Kim Myers	260-797-2261	
	Aly	adoza@ivytech.edu		Kim Myers	260-797-2261	
	Marycruz	mmendoza25@ivytech.edu		Kim Myers	260-797-2261	
	Brittany	bhargrave5@ivytech.edu		Kim Myers	260-797-2261	
	Justin	jclark368@ivytech.edu		Kim Myers	260-797-2261	
	Desiree	doran@ivytech.edu		Kim Myers	260-797-2261	
Student Housing Team 1						10
	Lyndee	evanm03@students.ipfw.edu	260-729-7627			
	Marissa	marissa_1stchane@hotmail.com	574-12-5904			
	Maelee	holdma02@students.ipfw.edu	574-780-6450			
	Taylor	randij01@ipfw.edu	260-310-4680			
	Erika	kindem01@students.ipfw.edu	574-538-1088			
	Brianna	white01@students.ipfw.edu	260-229-2934			

System Integration

- ⦿ Database Application
 - web based after committee meeting

Schedule

	Start Date	End Date
Initiate Project	11/2/2015	11/2/2015
Define Scope	11/3/2015	11/3/2015
Define Requirements	11/3/2015	11/3/2015
Define Project Team	9/29/2015	9/29/2015
Create Project Plan	11/4/2015	11/7/2015
Develop Work Plan	11/4/2015	11/7/2015
Develop WBS	11/4/2015	11/7/2015
Create Schedule	11/4/2015	11/4/2015
Create Budget	11/4/2015	11/4/2015
Define Communication Process	9/29/2015	9/29/2015
Finalize Project Plan	11/8/2015	11/8/2015
Begin Designing the Database	11/9/2015	11/22/2015
Make Changes	11/24/2015	11/29/2015
Test Changes	11/30/2015	12/2/2015
Finalize Work	12/3/2015	12/8/2015
Present Project	12/15/2015	12/15/2015

Conclusion

- ⦿ Addresses and enhances the time constraint items
- ⦿ Provides an
 - efficient and more effective way to register
 - innovative way to pair agencies with volunteers
 - Effective communication process