

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

IT ePager System

The Capstone Experience

Team Meijer

David Oeffner

Nick Ovenhouse

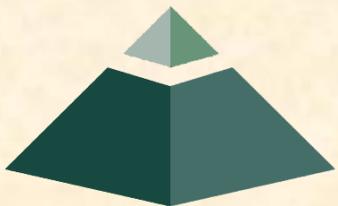
Mike Sanburn

Mark Schwerzler

Department of Computer Science and Engineering

Michigan State University

Fall 2012



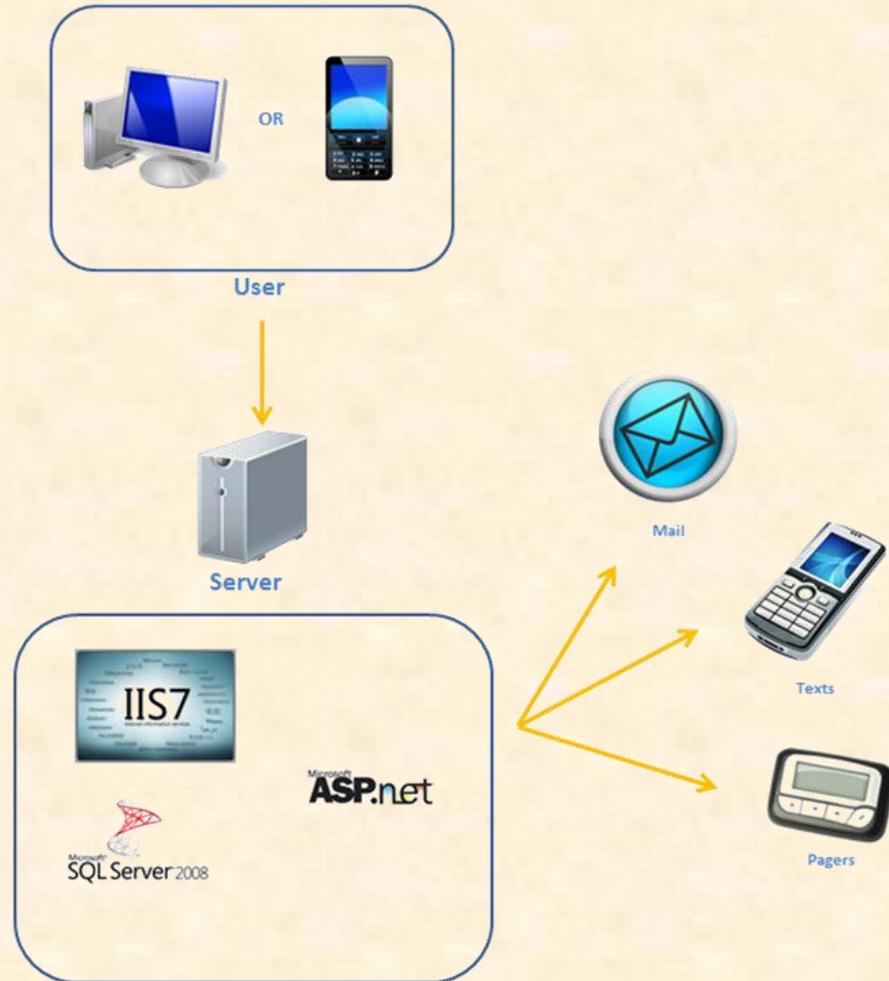
*From Students...
...to Professionals*

Project Overview

- Emergency System To Get Messages Out Quick
- Similar To A Bulk Email System
- Sends To Pagers, Phones (Text Messages), And Email
- Three Types of Users: Administrative, Super-User, and User
- Template Creation Feature
- Easy To Send To Individuals Or Groups



System Architecture



Send Page



username: Nick
empl ID: 2

Template

Power Outage - On Generator

Individuals

David
Mark
Mike
Nick

Group

A-Team
Team 1
Team 2

123456 TK# 7890123 - ST 456789 - Power Outage - Emergency services contacted.

Running on generator. POS is Offline . Affecting single stores.

Additional Comments:

Send

Home



Template Creation

meijer

username: Nick
empl ID: 2

Home Reporting Send Admin

Template Name:

Default Groups:

- Team 1
- Team 2
- A-Team

Add:

- Newline
- Make a Selection
- Text
- TextBox
- DropDown
- Newline

Template Preview:

There is a power outage at store location . Emergency services contacted.



Reporting



username: Nick
empl ID: 2

Home Reporting Send Admin

Reporting History

Select Search Field ▾
Select Search Field
PageID
Sender
Subject(Template)
Date

PageID	Sender	Timestamp	Subject	Message
139	Ovenhouse, Nick	10/11/2012 8:07:02 AM	Power Outage - On Generator	Sender: Nick(2) (Store Number) TK# Add default text here... - ST Add default text here... - Power Outage - Emergency services contacted. Running on generator. POS is Up . Affecting all stores. Additional Comments:
140	Schwerzler, Mark	10/11/2012 8:27:33 AM	Power Outage - On Generator	Sender: Mark(1) (Store Number) TK# Add default text here... - ST Add default text here... - Power Outage - Emergency services contacted. Running on generator. POS is Up . Affecting all stores. Additional Comments: Also going
141	Ovenhouse, Nick	10/11/2012 8:27:34 AM	Power Outage - On Generator	Sender: Nick(2) (Store Number) TK# number - ST stuff - Power Outage - Emergency services contacted. Running on generator. POS is Off , Affecting multiple stores. Additional Comments:
142	Ovenhouse, Nick	10/11/2012 9:13:50 AM	Power Outage - On Generator	Sender: Nick(2) (Store Number) TK# Add default text here... - ST Add default text here... - Power Outage - Emergency services contacted. Running on generator. POS is Up . Affecting all stores. Additional Comments:
143	Ovenhouse, Nick	10/11/2012 9:15:05 AM	Power Outage - On Generator	Sender: Nick(2) (Store Number) TK# Add default text here... - ST Add default text here... - Power Outage - Emergency services contacted. Running on generator. POS is Up . Affecting all stores. Additional Comments:
144	Ovenhouse, Nick	10/11/2012 9:47:49 AM	Power Outage - On Generator	Sender: Nick(2) (Store Number) TK# Add default text here... - ST Add default text here... - Power Outage - Emergency services contacted. Running on generator. POS is Up . Affecting all stores. Additional Comments:



What's left to do?

- Reporting Page
- Determine SMS Provider
- Testing/Code Cleanup
- Documentation And Project Video