

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

iSupport Device Management System

[The Capstone Experience](#)

Team Sparrow

John Happ
Angela Mireau
Travis Newport

Department of Computer Science and Engineering
Michigan State University

Fall 2011



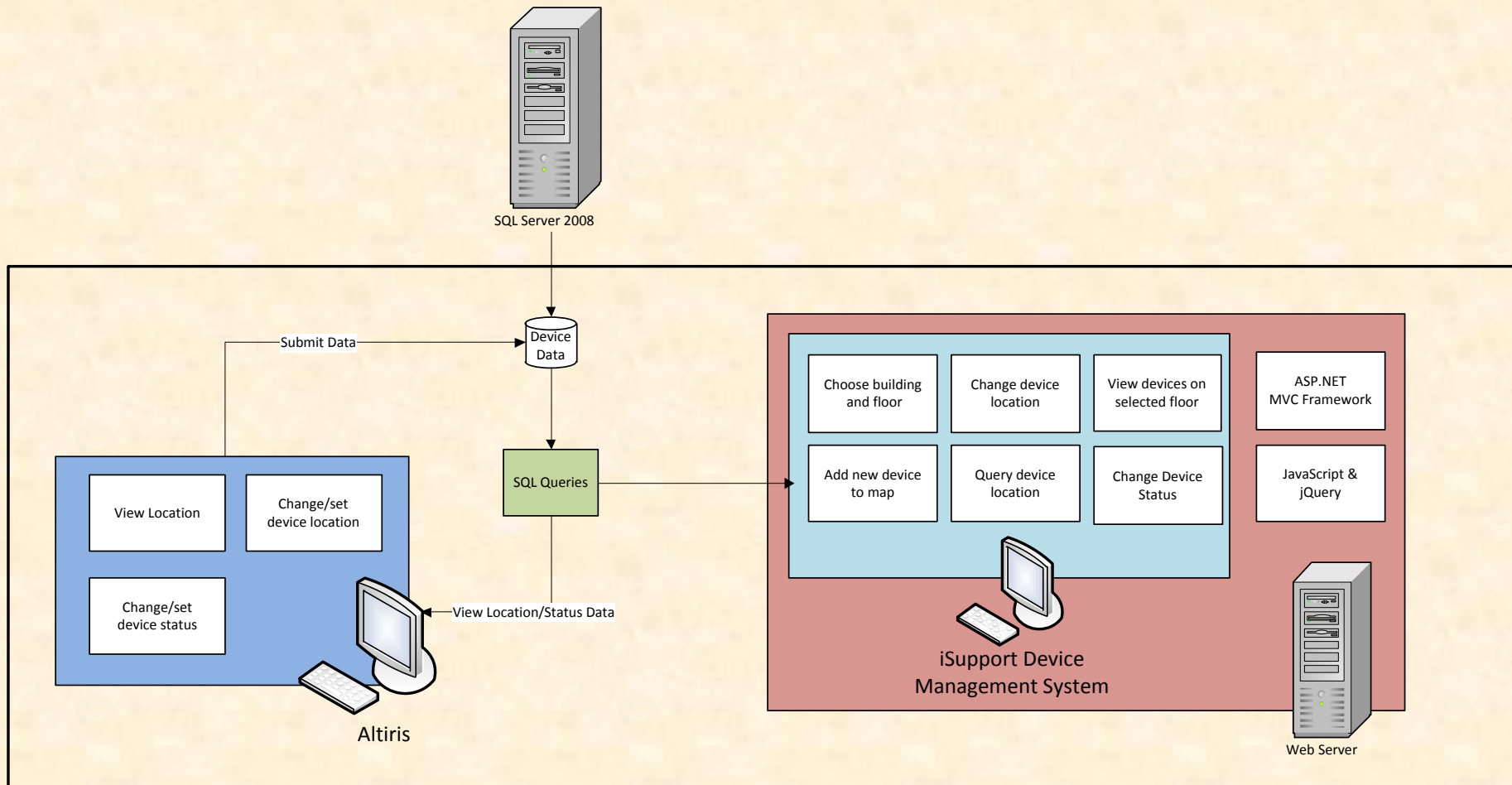
*From Students...
...to Professionals*

Project Overview

- **Problem:** Sparrow Hospital has thousands of devices (printers, copiers, fax machines) and it is difficult to know where all the devices are.
- **Solution:** Application that helps IT Staff locate devices and better service the hospital staff with finding alternate devices



System Architecture



Launch Page



iSupport Device Management System

Device ID: search

Lansing Main
St. Lawrence
Dewitt
Ionia
MAC

Add A Map

Add Device

- Printer
- Computer
- Copier
- Fax
- Other

301-302 Conference Rooms
303 Small Group Study
307 History of Medicine
310 Administrative Offices
311 Conference Room
314, 316 Offices
317 TBL Lab
306, 319, 321, 323, 325 Offices
Restrooms

3rd Floor



Adding a New Device



iSupport Device Management System

Device ID: search

Lansing Main
St. Lawrence
Dewitt
Ionia
MAC

Add A Map

Add Device

Device ID:

Status: Online ▾

Submit Cancel

Add Device

- Printer
- Computer
- Copier
- Fax
- Other

301-302 Conference
Ro Submit
303 Small Group Study
307 History of Medicine
310 Administrative Offices
311 Conference Room
314, 316 Offices
317 TBL Lab
306, 319, 321, 323, 325 Offices
Restrooms

3rd Floor



Selecting a Floor



iSupport Device Management System

Device ID:

- Lansing Main
 - St. Lawrence**
 - Dewitt
 - Ionia
 - MAC
 - Add A Map
- Floor 1
 - Floor 2
 - Floor 3**
 - Floor 4
 - Floor 5
 - Floor 6

301-302 Conference Rooms
303 Small Group Study
307 History of Medicine
310 Administrative Offices
311 Conference Room
314, 316 Offices
317 TBL Lab
306, 319, 321, 323, 325 Offices
Restrooms

3rd Floor

301-302
306
303
310
311
314
316
317
319
321
323
325
Elevators

Add Device

- Printer
- Computer
- Copier
- Fax
- Other



What's left to do?

- Have drag and drop of devices write location to the database
- Have placed devices load onto the maps
- Ability to filter which device types display on the map
- Enhance search functionalities

