Microsoft Application Health Monitor Alpha Demonstration

Team 6 Microsoft

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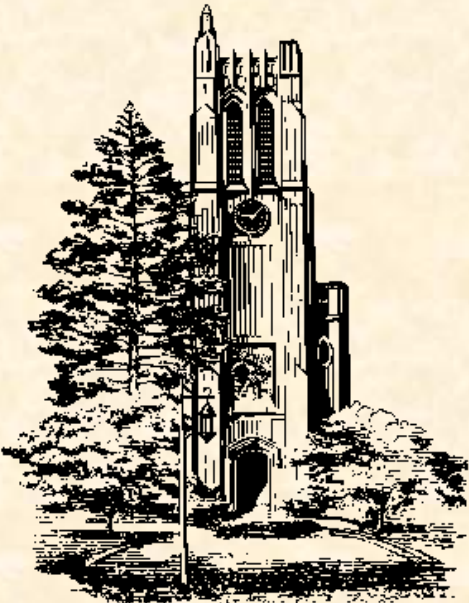
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The Problem

- IT operators are responsible for tracking the health of many applications.
  - How do they do it?
  - Is it effective?
- What if an IT administrator wants to see the status of an application in real time?
- How can they determine if the project is healthy?
  - What is "health?"
  - What do they monitor?
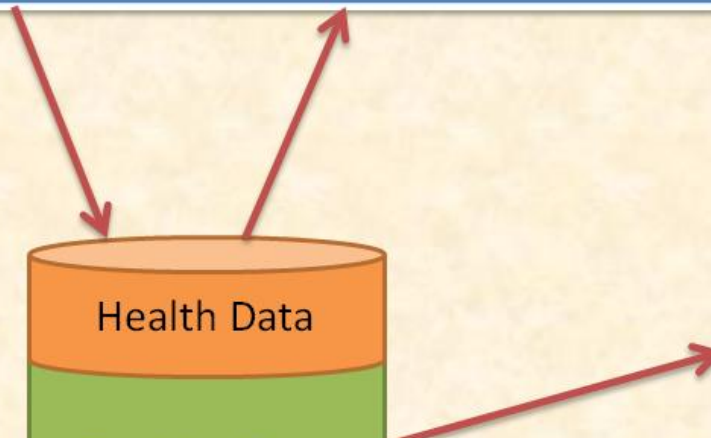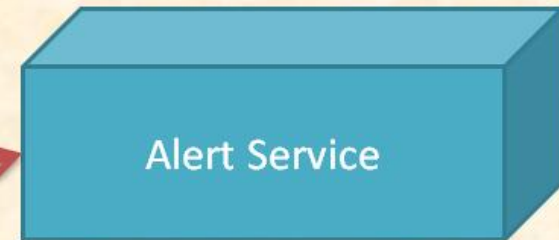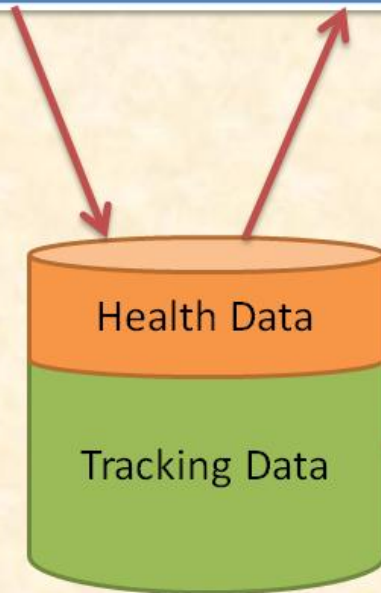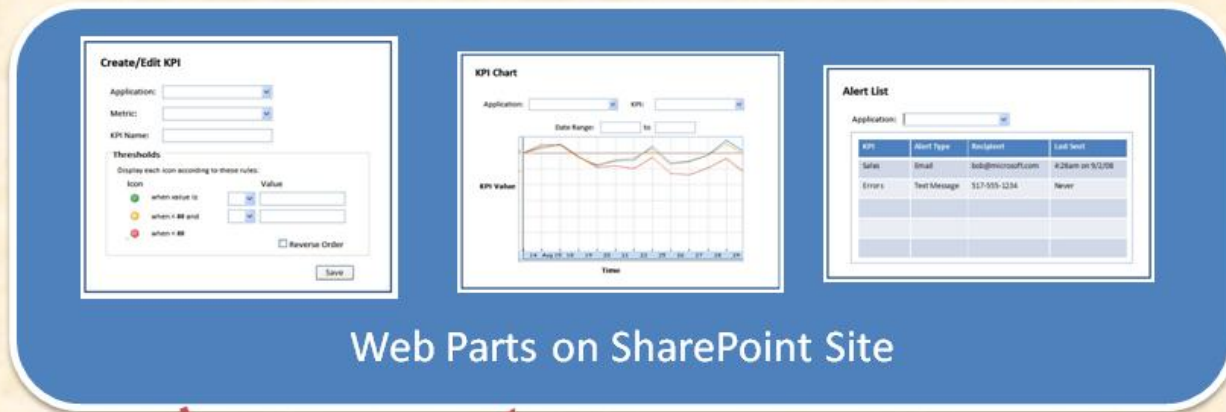- How is this application helpful to them?

The Solution

- We are developing a system to present application-specific data to the user.
  - The user defines the meaning behind the data.
  - The primary contextual abstractions for health are thresholds.
  - Using existing data, the user can define what they want to monitor.
- This system allows the user to view trends.
  - Users are alerted when certain conditions are met.
  - Historical information can be used to gauge the current direction of the application.

Simplified Architecture

Examples of Web Parts

KPIEditor Web Part

Application: Pizza Delivery
KPI: Number of Orders
KPI Name: Average
Data Type: Int32
🟢 > 100
🟡 > 25
🔴

Submit KPI

Create Alerts Web Part

Application: Pizza Delivery
KPI: Number of Customers
Alert Type: SMS
Alert Value +15559898222

Add Alert

KPI List

Application: Pizza Delivery

KPI Name	Red State	Yellow State
Number of Orders	2	10
Number of Customers	3	10
Total Pizzas	10	15
Number of wasted pizzas	28	41
Number of Customers	8	10
Total Sales	30	50
Stuff	30	50
Stuff	30	50

Demonstration

- http://cse498t06s.cse.msu.edu:8080/
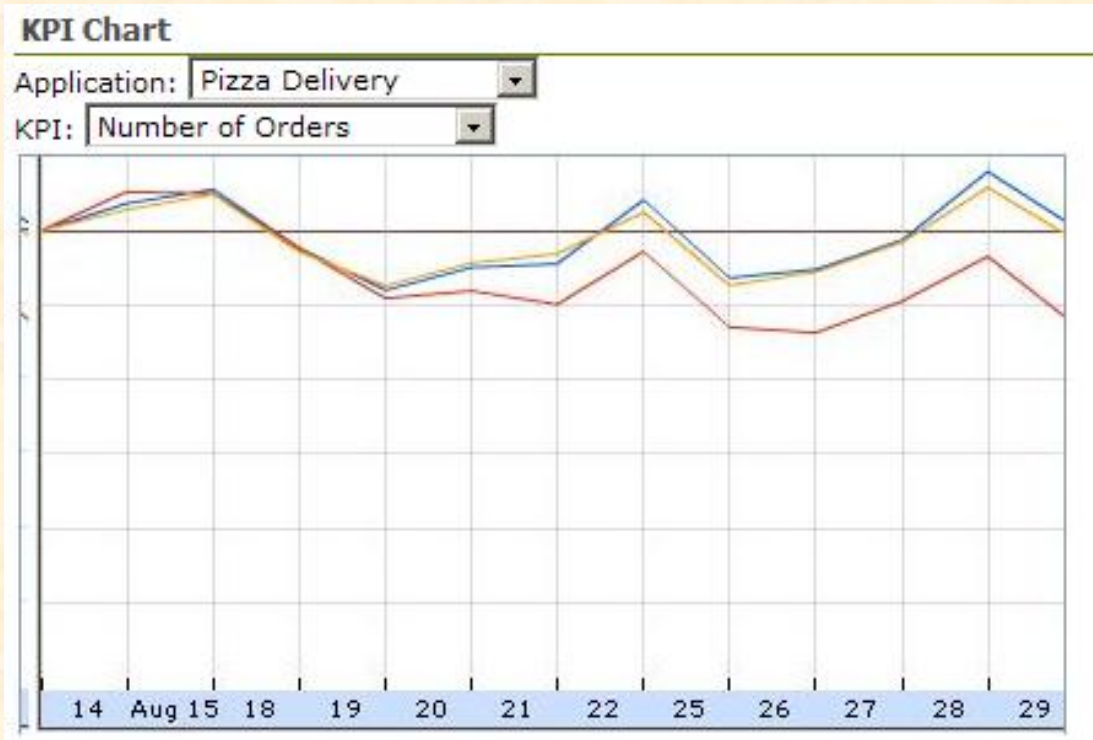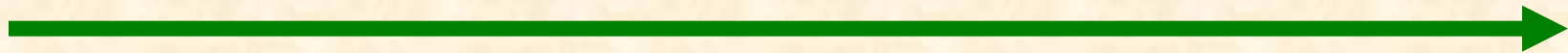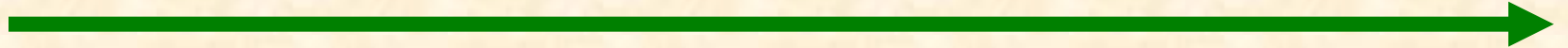
// TODO:

- Priority: Implement the Key Performance Indicator Chart.

- Obtain more sample data that is more relevant to the application.

- Integrate Web Parts.

- Implement Style Sheets for our Web Parts for a uniform appearance.

- Panic!

The End

- Questions?
- Comments?