

The Deli-cious Developers

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- Project Context
- Architecture
- Process
- Current Status
- Reflection
- Demonstration
- Future Goals & Work



The Problem

Congestion in high traffic areas

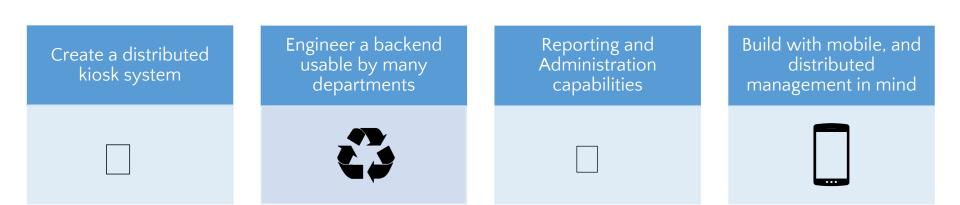
Long lines when ordering Deli, Subs, etc

Need a long term store-wide solution

Increase Deli efficiency

Project Context

The Solution





Admin Console connects to a Kiosk Server to administer various properties



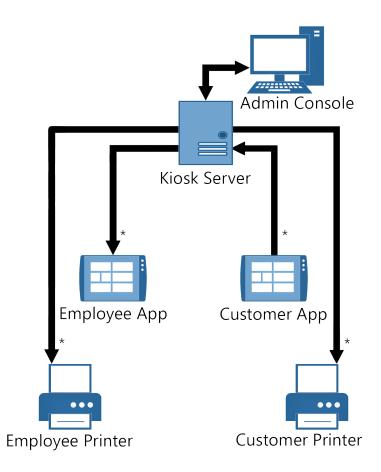
Servers contains Item catalogs and functionality for potentially many departments



Any device can use server APIs for both customer and employee experiences



The server can print to many customer and employee printers





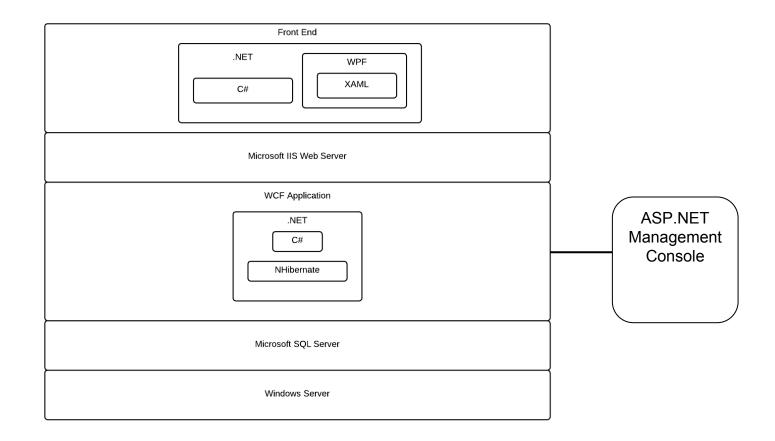
Abstract item catalogs are necessary for multi-departmental use

Remote management capabilites are integral to large-scale deployments

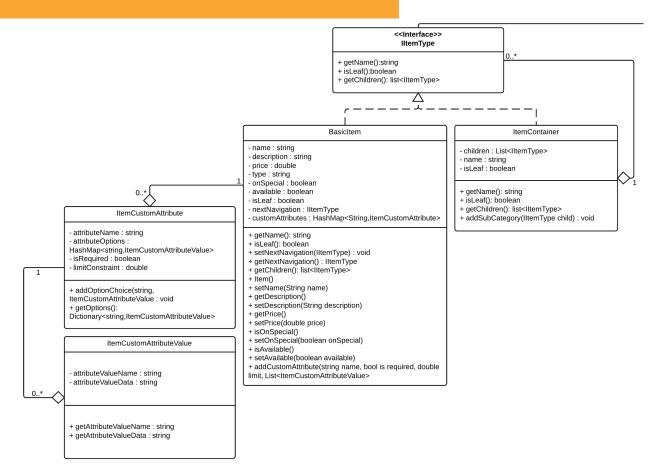
Stores may have multiple customer and/or employee endpoints

Using a platform agnostic RESTful API ensures compatability with any device

Tech Stack



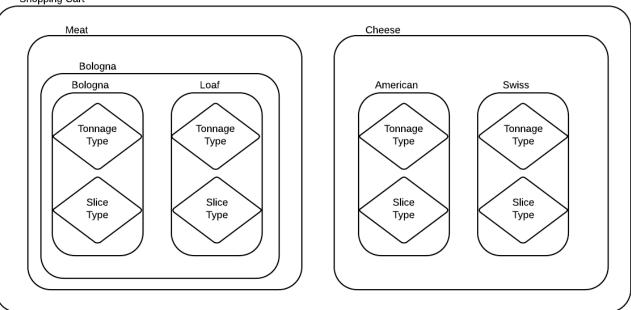
Server Design



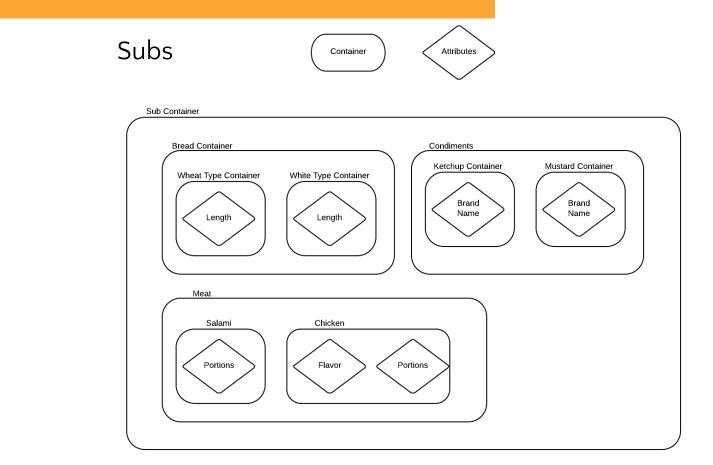
Dynamic Workflows



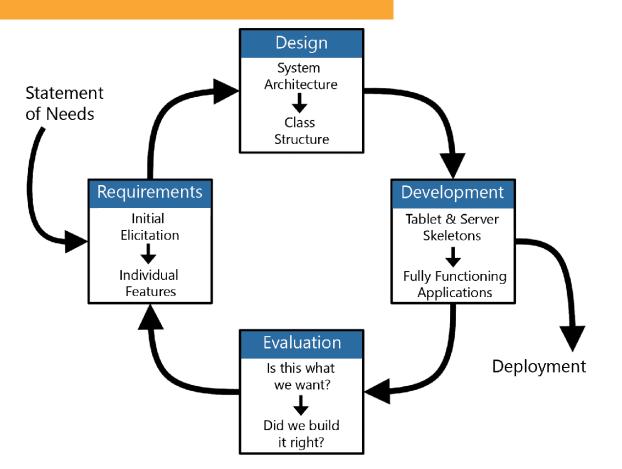




Dynamic Workflows



Iterative Prototyping



Elicitation

First Iteration	Gather risks up front and prepare for future iterations Primary goal of first iteration
Future Iterations	Smaller details became more apparent as time goes on Tackle big items first, and smaller details later

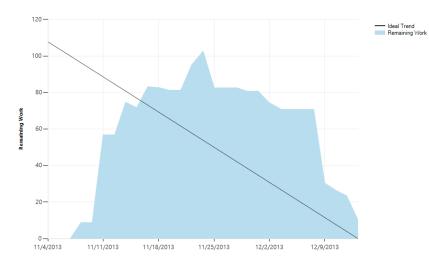


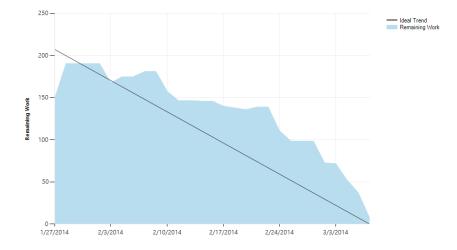
Task Management

Team Foundation Service	Requirements mapped to specific, tangible tasks
Tasks estimated and assigned	Each team member responsible for assigned tasks Progress easily monitored

Team Foundation Service

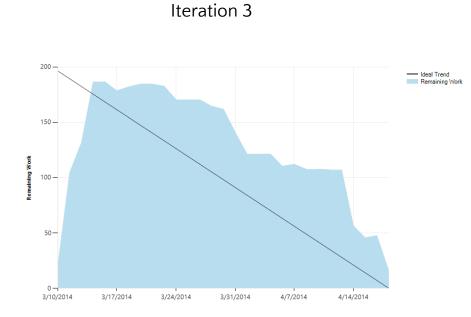
Iteration 1





Iteration 2

Team Foundation Service



Current Status

Feature-Complete

Complete End-to-End functionality



Customer & Employee applications



Current Status

Some documentation clean up

Need to finish up unit tests & Technical Report

Additional development is frozen

Reflection

Addressed risks well

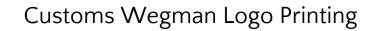
Hit all of our deliverables

Lower prioritization of metrics towards end

Lower prioritization of testing towards end



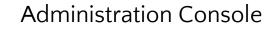
We actually did more than anticipated...







Multiple, more complex splash screens





Email, Text Alerts & Employee Tracking





...But there is still more to be done

Project re-use

Integration with Mobile

Extension to multiple departments

Questions?

