Beta Presentation
Tablet-Based Point-of-Sale System

The Capstone Experience

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Project Overview

• Check out system for tablets
• Interfacing with UPC barcode scanners
• Interfacing with Meijer’s Point-of-Sale subsystem
System Architecture

- Tablet at Beginning of Lane
  - Browser or native application open to web application on PC
  - mPerks ID and PIN
  - Remove Items
  - Cancel Transaction
  - End Transaction

- Tablet at End of Lane
  - Browser or native application open to web application on PC
  - Same capabilities and communication as other tablet

- Windows 7 PC
  - Barcode scanner interface
  - Web application to receive input from tablets and to push out UI updates

- Existing VPOS
  - RS-232
    - (Possibly) USB for Camera taking pictures of items

- Two tablets, a Windows 7 PC, and a Barcode Scanner constitute a Lane

- HTML 5/S/AJAX
  - Updating UI to account from interaction with scanner and for user interaction with tablet

- SOAP
  - SOAP
  - SOAP
Start Screen
Main Screen
Exception Screen

Item Exception

An exception has occurred for Exception Item Test Item (33333333333):
This one is broken. Set it aside please.

Help  Continue
Help Screen

Help Page

Please wait for a Meijer employee to provide assistance

Continue
What’s left to do?

• Create video
• Create documentation
• Fix bugs