# MICHIGAN STATE UNIVERSITY

# Beta Presentation Medications Shortages Dashboard

The Capstone Experience

Team Spectrum Health

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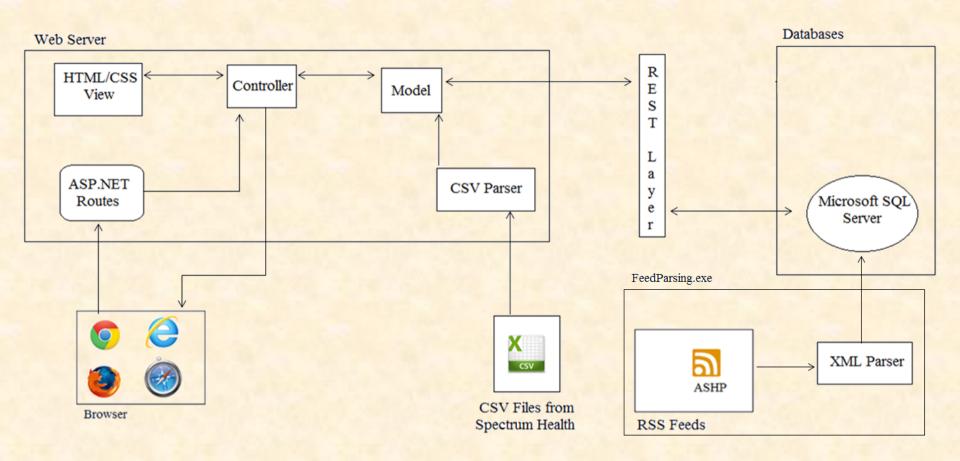
#### **Project Overview**

- Spectrum Health healthcare organization in Grand Rapids
- Pharmacists must be able to track medication shortages
- Currently no centralized system

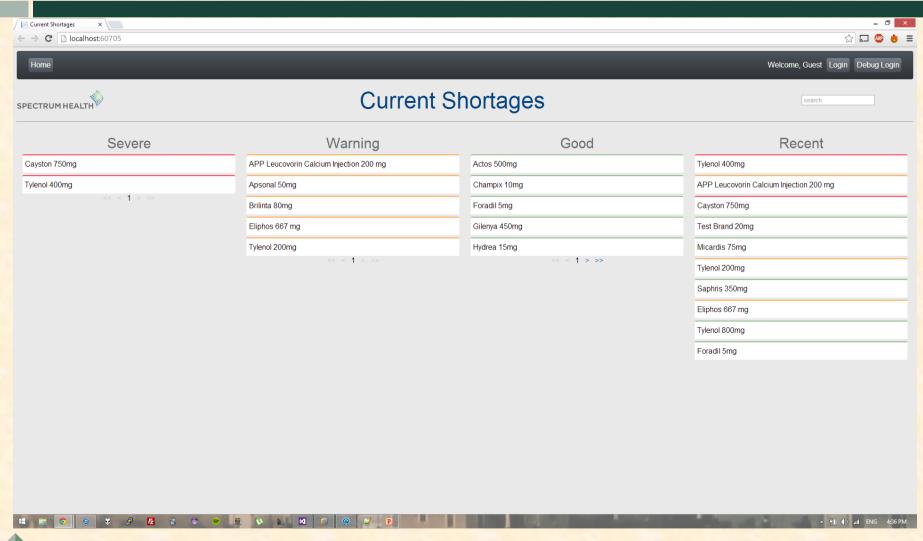
#### **Project Overview**

- Solution: Medication Shortages Dashboard
  - Collects shortage and current inventory information
  - Logged in users have personal watch lists
  - Allows pharmacists to collaborate/discuss shortages
    - With each other
    - With pharmacist administrators

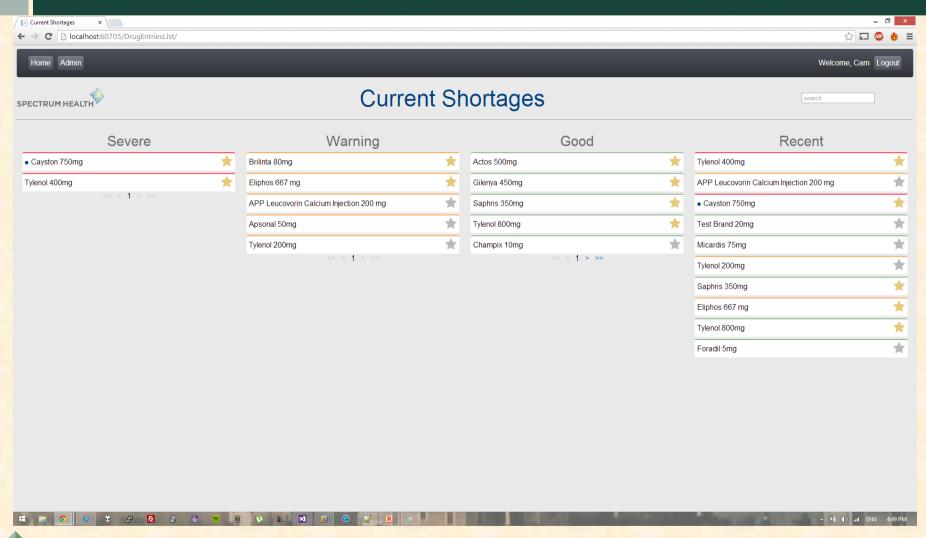
# System Architecture



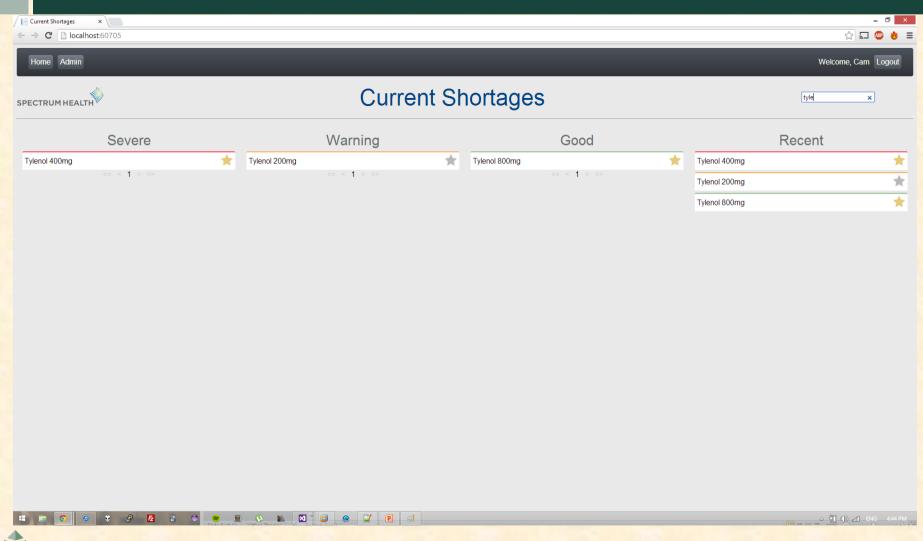
### Current Shortages Page - Guest



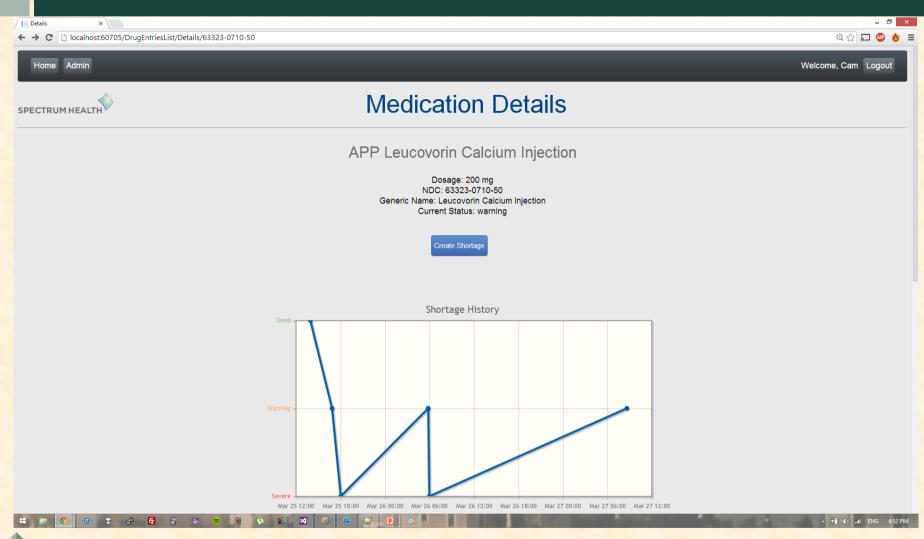
### Current Shortages Page - Logged In



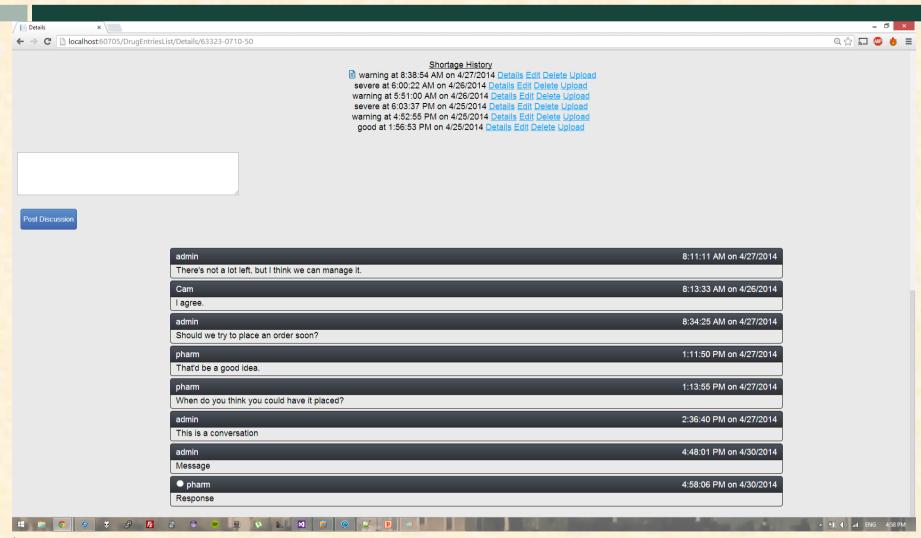
# **Filtering**



## Drug Detail View (1 of 2)

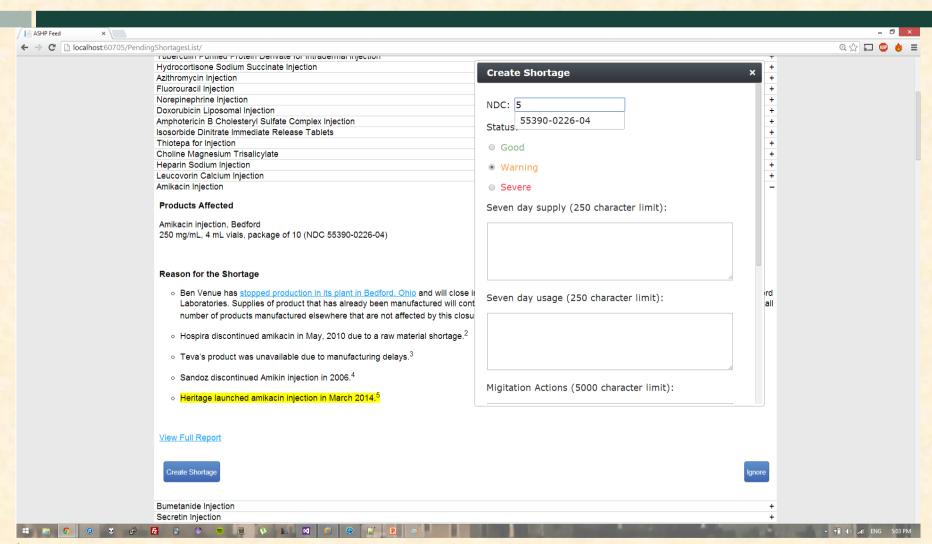


### Drug Detail View (1 of 2)

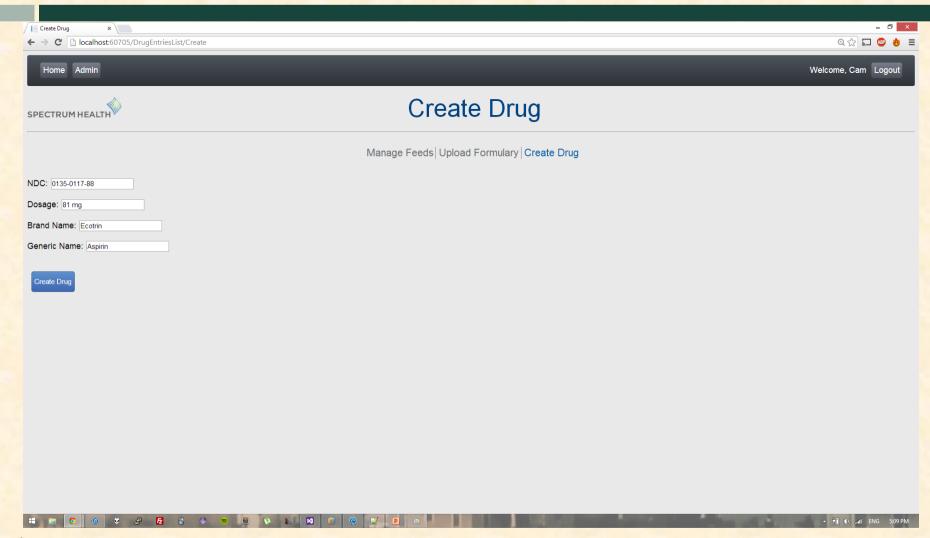


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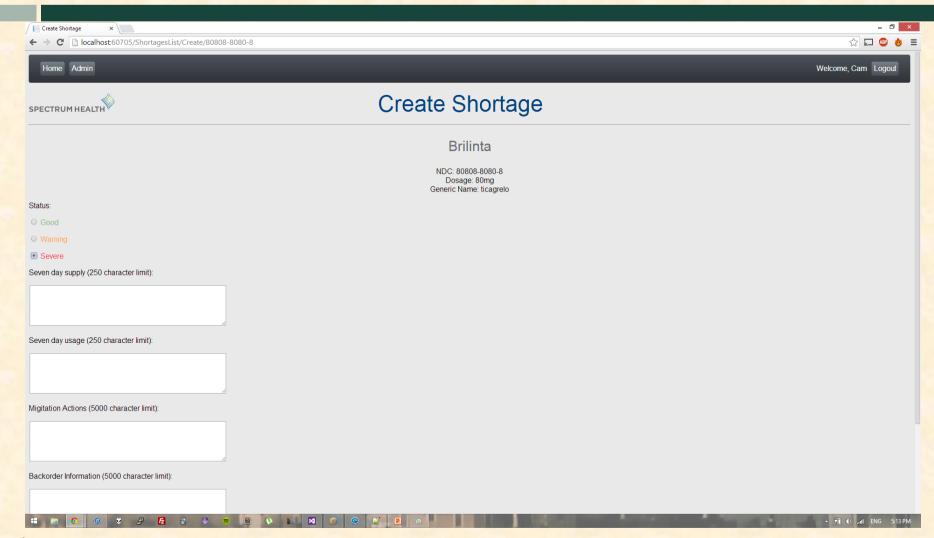
#### **ASHP** Feed



### Manual Drug Creation



### **Shortage Creation**



#### What's left to do?

- Change CSV parsing to match formulary format
- Clean up UI
  - Everything should match Spectrum Health style guide
  - Better mobile/tablet interface
- Unit Tests
- Bug fixes