

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Beta Presentation

## Mobile Check-In and Payment

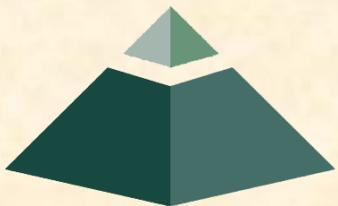
### The Capstone Experience

Team Spectrum Health

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Michigan State University

Spring 2015



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

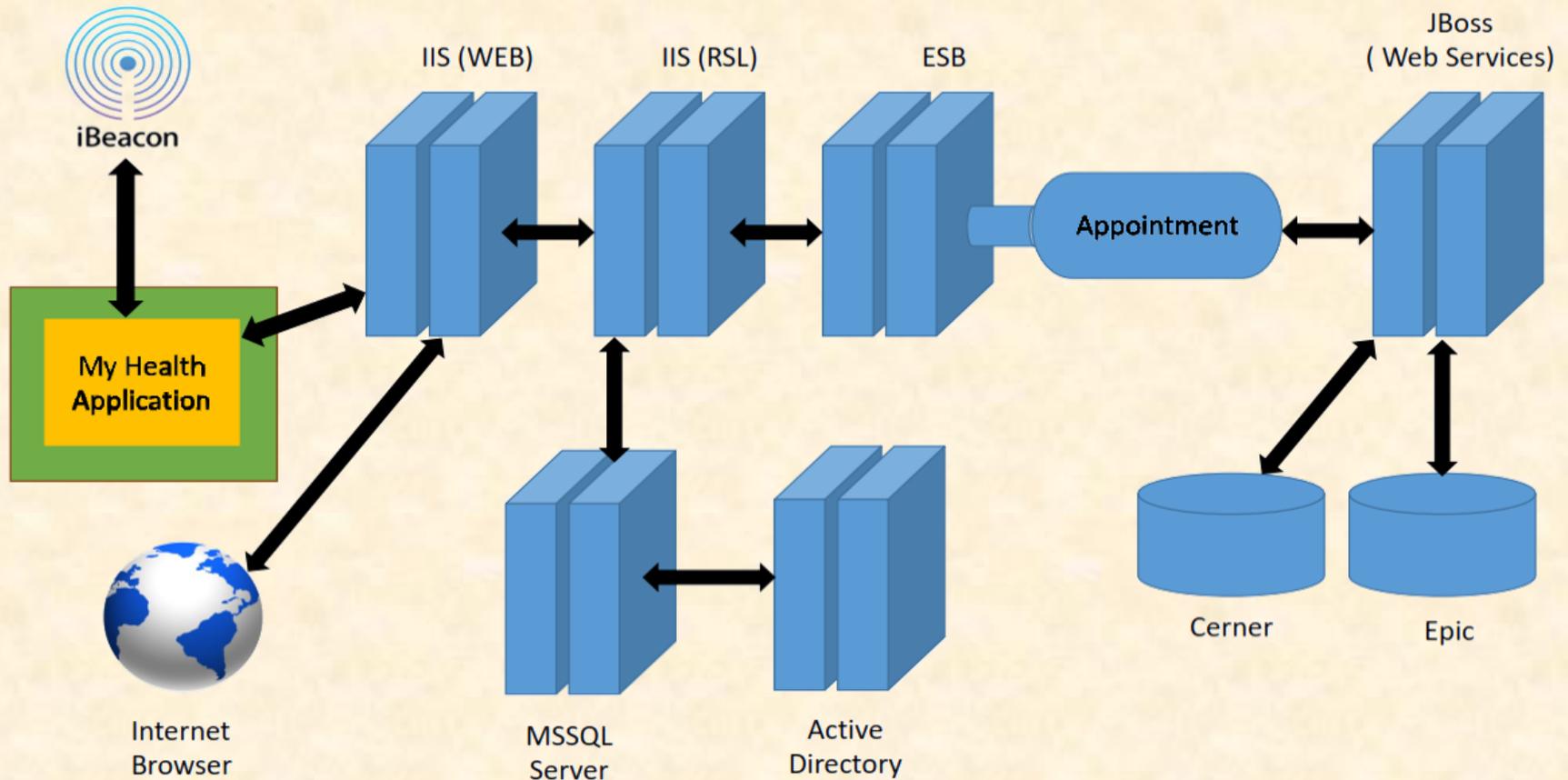
# Project Overview

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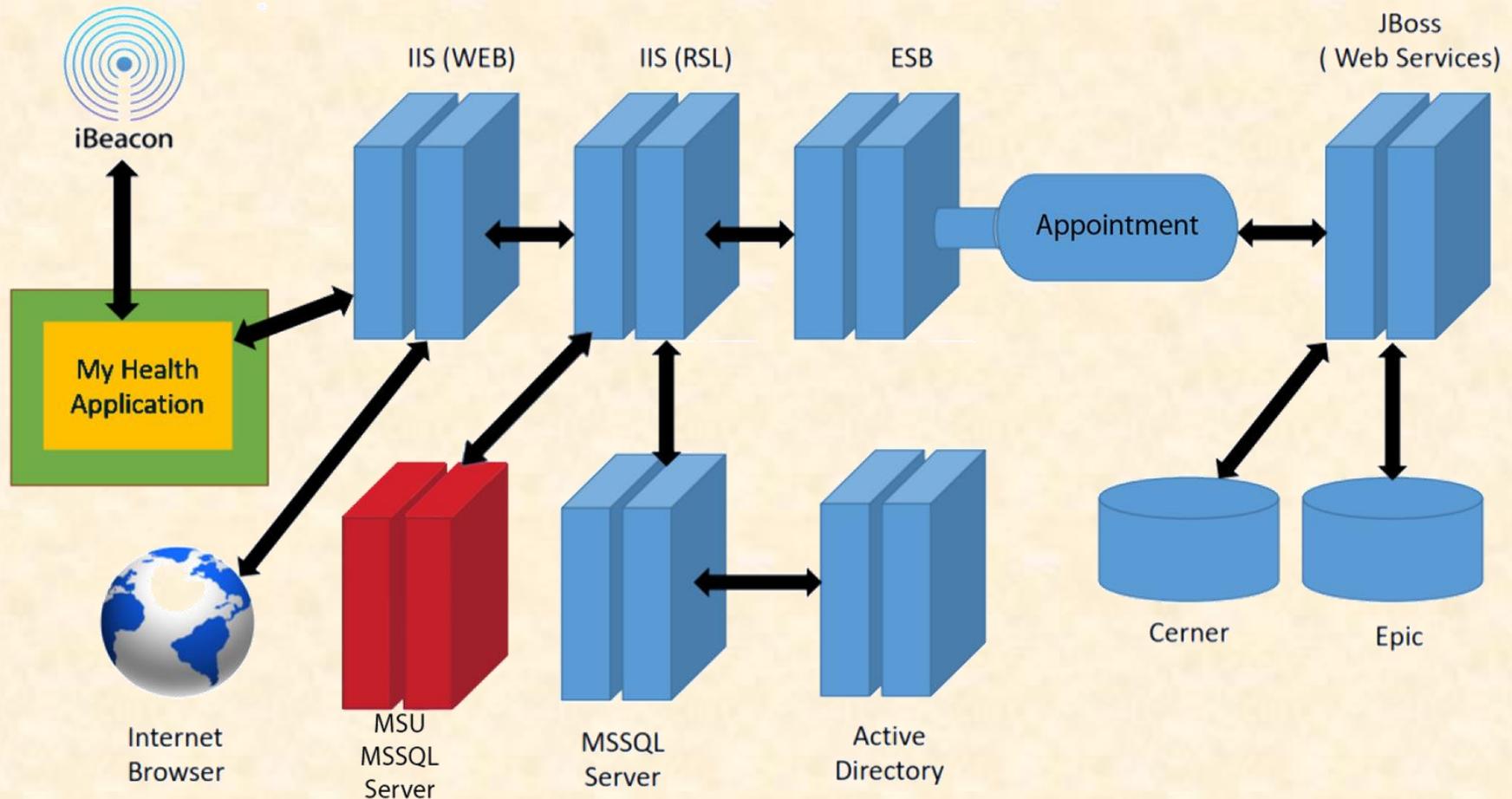
- iBeacon will trigger a notification alerting the user they may use their mobile device to check-in
- The user will be able to complete the entire check-in process on their phone
- The user has the option to pay their copay on their device
- An appropriate map will be presented to the user once they have completed check-in



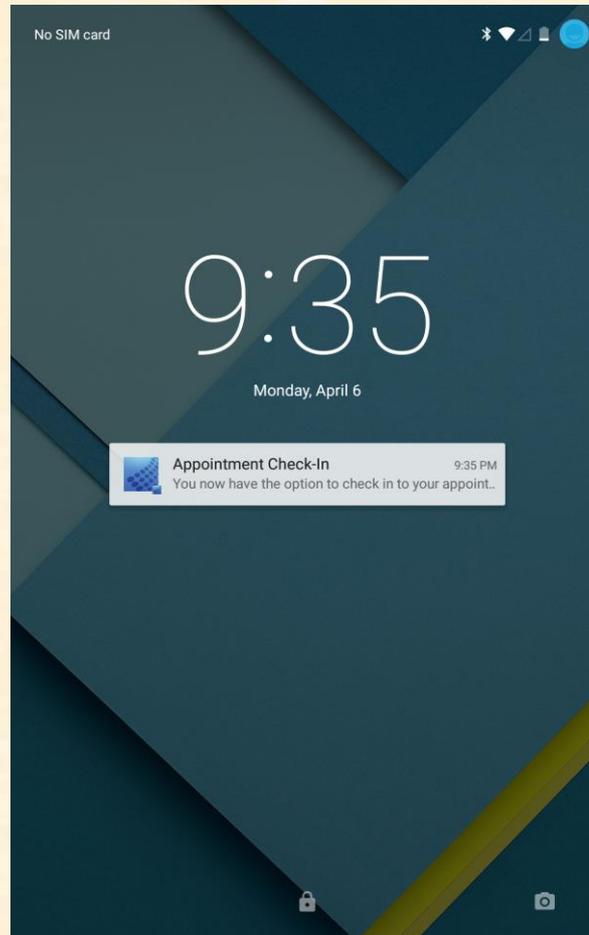
# System Architecture



# System Architecture



# Check-In Notification



# Verify Personal Information

The screenshot shows a mobile application interface for Spectrum Health. At the top, there is a status bar with the time 9:41 and various icons. Below that is a header with the Spectrum Health logo and a hamburger menu icon. The main content area is titled "Mobile Check-In" and features a progress bar with five steps: "Personal", "Contact", "Insurance", "Copayment", and "Review". The "Personal" step is currently active. Below the progress bar, the text "IS THIS INFORMATION CORRECT?" is displayed. There are three input fields: "FIRST NAME" with the value "RICK", "LAST NAME" with the value "JOHNSON", and "DATE OF BIRTH" with the value "5/8/07" and a placeholder "(MM/DD/YYYY)". At the bottom of the form, there are two buttons: "No, Back" and "Yes, Next". The footer of the app shows "© 2014 Spectrum Health" and the Android navigation bar.

SPECTRUM HEALTH

< Back

Mobile Check-In

Personal Contact Insurance Copayment Review

IS THIS INFORMATION CORRECT?

FIRST NAME RICK

LAST NAME JOHNSON

DATE OF BIRTH 5/8/07 (MM/DD/YYYY)

No, Back Yes, Next

© 2014 Spectrum Health

# Verify Personal Information

The screenshot shows a mobile application interface for Spectrum Health. At the top, there is a navigation bar with a hamburger menu icon, the 'SPECTRUM HEALTH' logo, and a user profile icon labeled 'Jason'. Below the navigation bar is a 'Mobile Check-In' section with a progress indicator showing five steps: 'Personal' (active), 'Contact', 'Insurance', 'Copayment', and 'Review'. The main content area is titled 'ENTER REVISED INFORMATION' and contains several input fields for personal details. A blue arrow cursor is positioned over the 'STREET ADDRESS 2' field. At the bottom of the form, there are two buttons: 'Cancel' and 'Submit Changes'. The footer of the app displays '© 2014 Spectrum Health'.

STREET ADDRESS 2001 MAIN ST

STREET ADDRESS 2

CITY WANKERSHIM CITY

STATE LA

ZIPCODE 99876

HOME PHONE (248) 743-1278

CELL PHONE (248) 709-8907

EMAIL JOHNSONR@MSU.EDU

Cancel Submit Changes

© 2014 Spectrum Health



# Update Insurance Information

The screenshot shows a mobile application interface for Spectrum Health. At the top, there is a navigation bar with a hamburger menu icon on the left, the 'SPECTRUM HEALTH' logo in the center, and a user profile icon labeled 'Jason' on the right. Below the navigation bar is a '< Back' link. The main heading is 'Mobile Check-In'. A progress indicator shows five steps: 'Personal', 'Contact', 'Insurance' (which is highlighted in blue), 'Copayment', and 'Review'. The central question is 'IS THE INSURANCE SHOWN BELOW CORRECT?'. Below this, there are three input fields: 'INSURANCE' with the value 'BLUE CROSS', 'SUBSCRIBER ID' with the value '12587473', and 'GUARANTOR' with the value 'RACHEL JOHNSON'. At the bottom of the form area, there are two buttons: a grey 'Cancel' button and a blue 'Submit Changes' button with a right-pointing arrow. The footer of the app shows '© 2014 Spectrum Health' and an Android navigation bar.

SPECTRUM HEALTH

Jason

< Back

Mobile Check-In

Personal > Contact > **Insurance** > Copayment > Review

IS THE INSURANCE SHOWN BELOW CORRECT?

INSURANCE

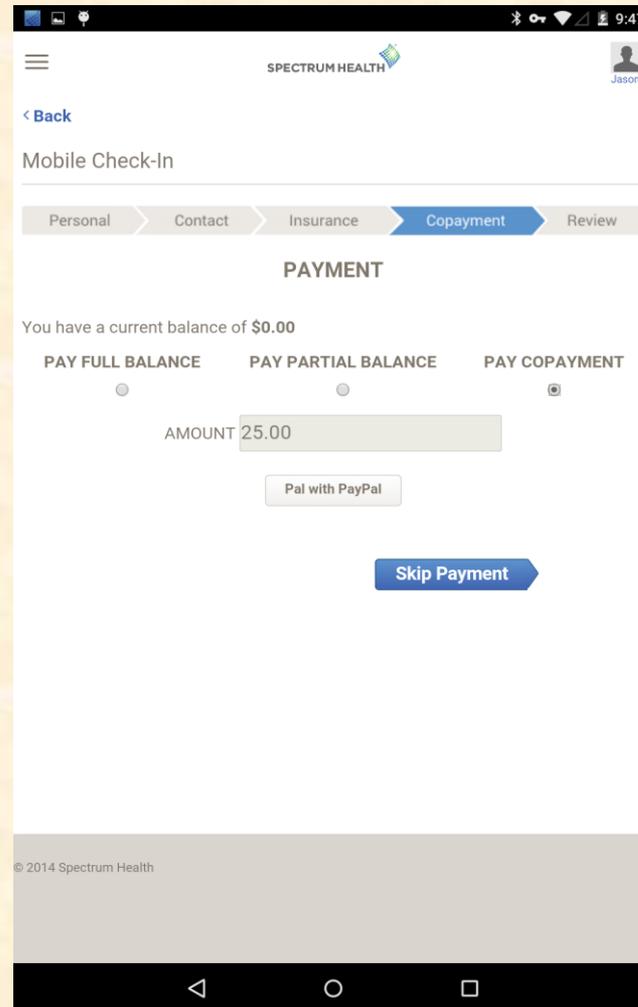
SUBSCRIBER ID

GUARANTOR

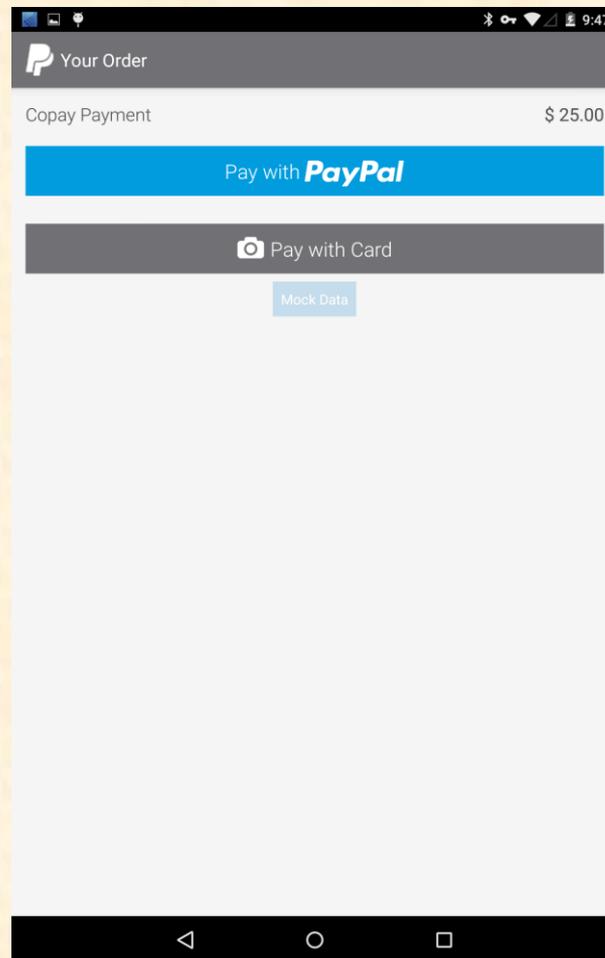
Cancel

© 2014 Spectrum Health

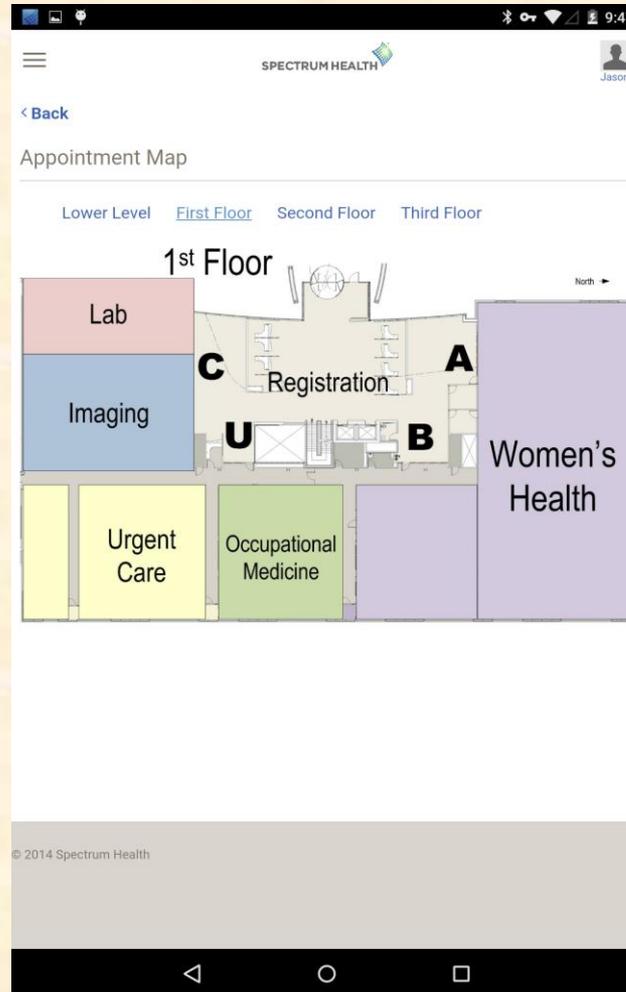
# Payment



# Payment



# View Map of Building



# What's left to do?

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- Small user interface changes
- Minor database modifications
- Continue to test application as final changes are added
- Project video
- Present application in Grand Rapids

