

**MICHIGAN STATE**  

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

# Alpha Presentation

## Mobile Rounding Application

The Capstone Experience

Team Spectrum Health

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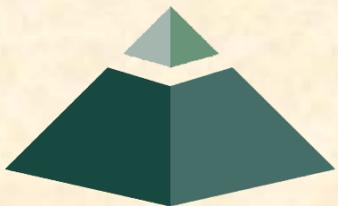
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*From Students...  
...to Professionals*

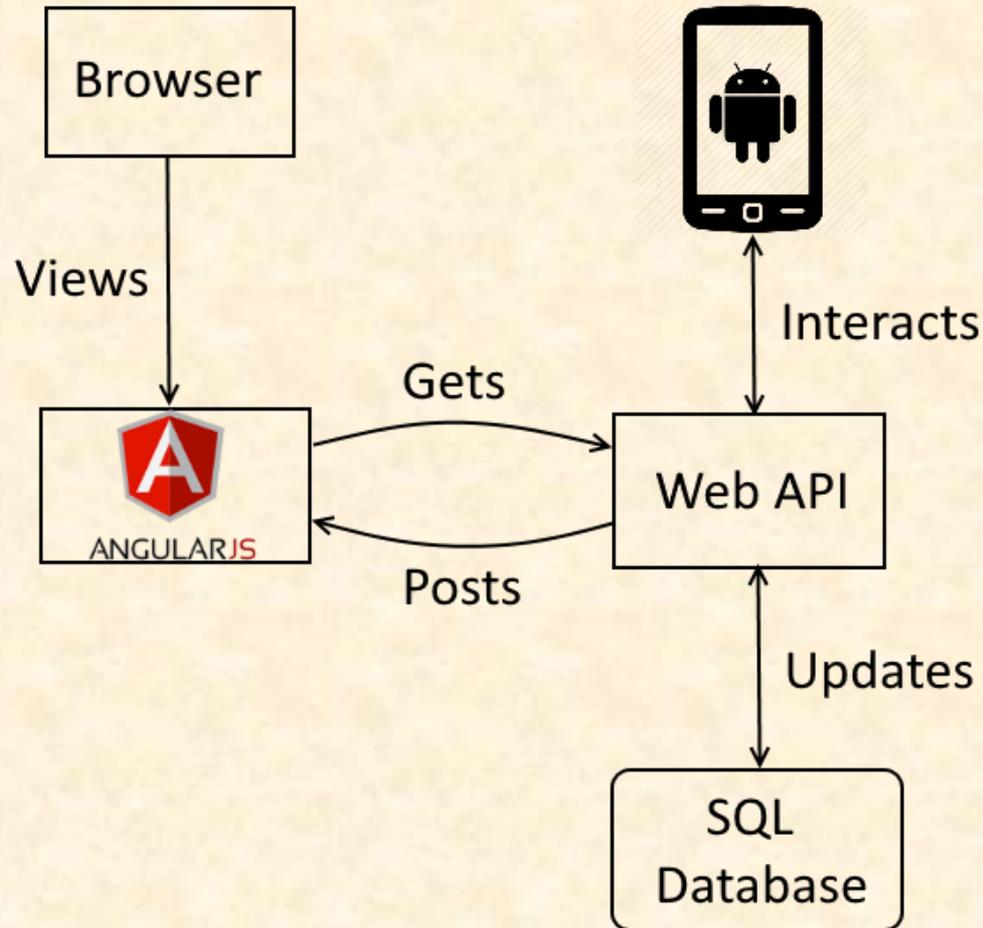
# Project Overview

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- Enable communication between patients and surgeons
- Proactively answer patient questions about recovery details
  - Educational materials
  - Daily goals on timeline
- Increase patient satisfaction during their stay in the hospital after surgery



# System Architecture



# Web Application - Patient Directory

Spectrum Health Home

Jeff Cheng  
Harry Chmidt  
Emily Herrera  
Marsha Holmes  
Blake Fowler

View Care Plan

Patient Id: 11  
Harry Chmidt  
Room Number: 503



# Web Application - Timeline

The screenshot shows a web browser window with the URL `localhost:9000/timeline/timeline.html?id=11`. The page header includes the Spectrum Health logo and a "Home" link. The main content area displays the patient's name "Harry Chmidt" and "Patient ID: 11". Below this, two events are listed: "Event 3: 2016-01-10T00:00:00 -- 2016-01-13T00:00:00" and "Event 4: 2016-01-15T00:00:00 -- 2016-01-17T00:00:00". A horizontal timeline bar below the text shows dates from 1-10 to 1-17. Red bars indicate the duration of the events: Event 3 spans from 1-10 to 1-13, and Event 4 spans from 1-15 to 1-17.

SPECTRUM HEALTH Home

## Harry Chmidt

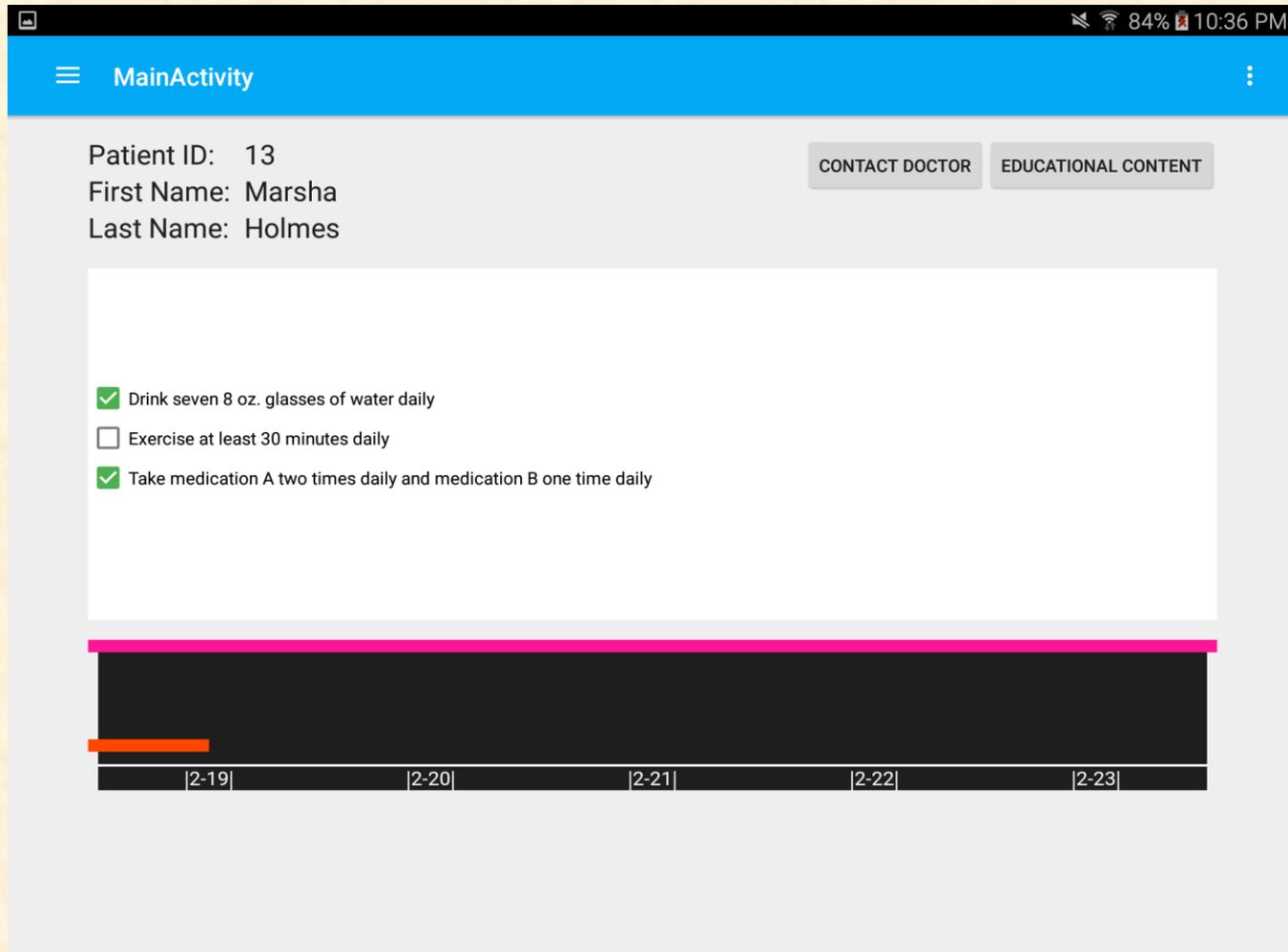
Patient ID: 11

Event 3: 2016-01-10T00:00:00 -- 2016-01-13T00:00:00  
Event 4: 2016-01-15T00:00:00 -- 2016-01-17T00:00:00

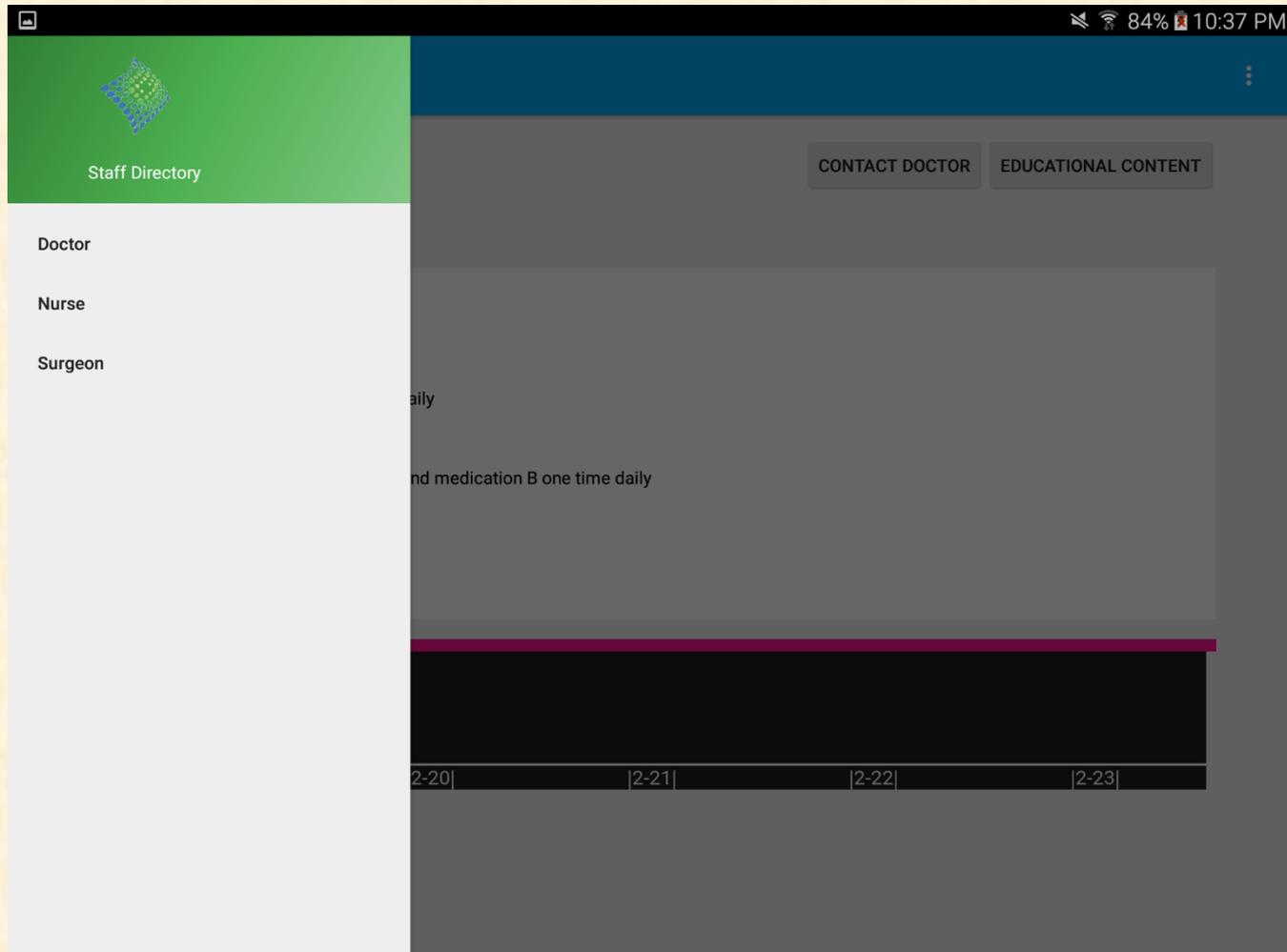
1-10	1-11	1-12	1-13	1-14	1-15	1-16	1-17
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# Mobile Application – Patient Plan



# Mobile Application – Staff Directory



# Mobile Application – Video Call



# What's left to do?

- Web Application
  - Improve styling of webpages with user experience in mind
  - Link timeline bars to daily events
- Mobile Application
  - Configure Vidyo to call rooms
  - Populate timeline events from database
  - Move directory to pull out drawer

