

**MICHIGAN STATE**  

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

# Beta Presentation

## Mobile Rounding App

### The Capstone Experience

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

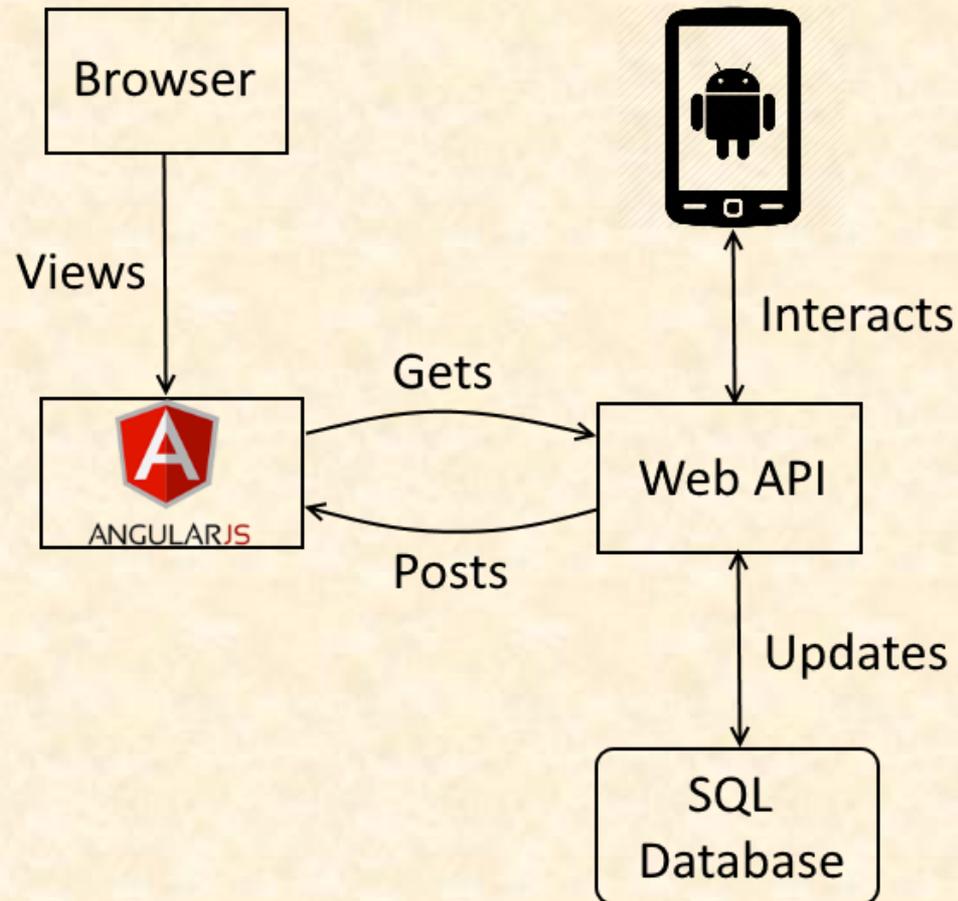
# Project Overview

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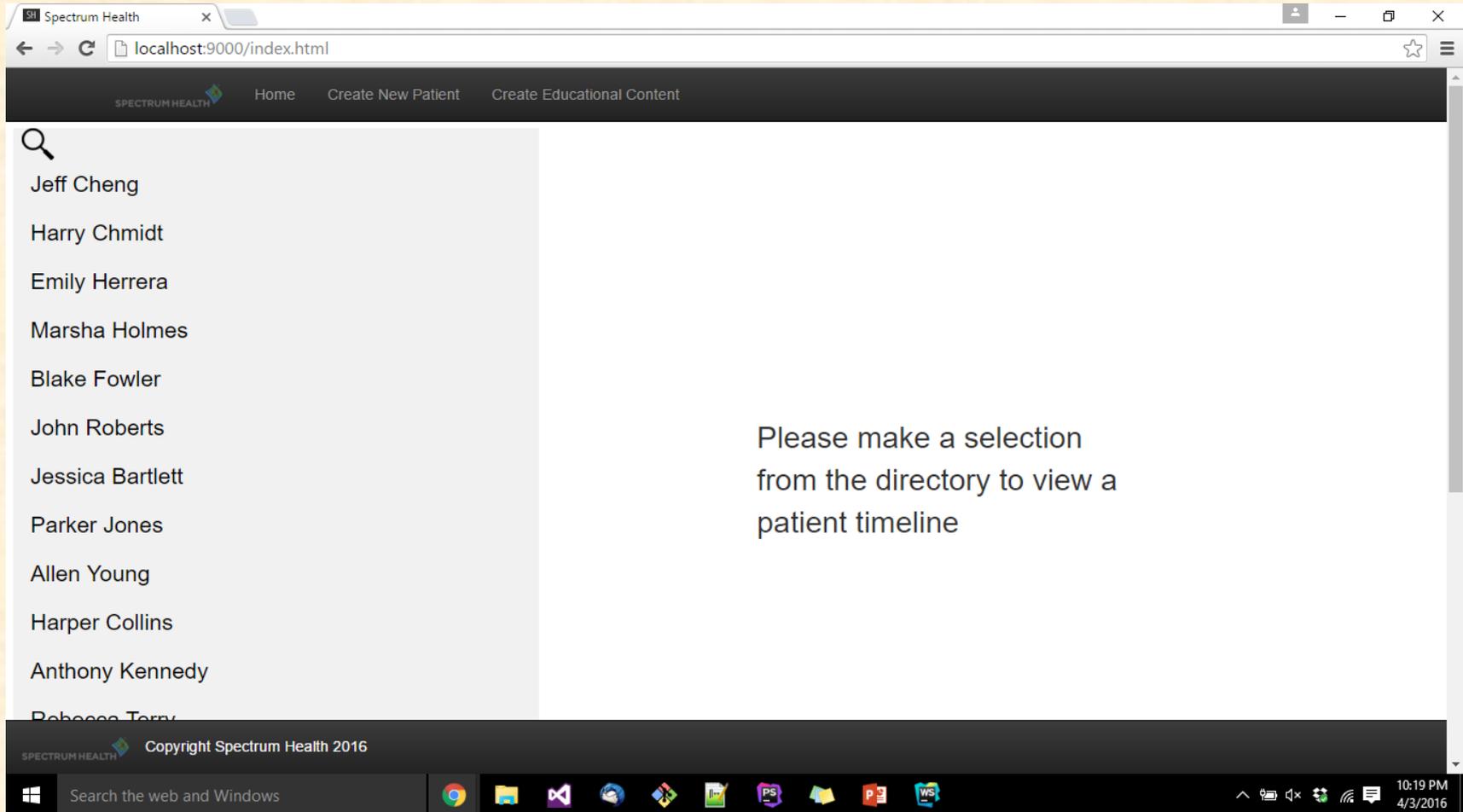
- Increase patient satisfaction during their stay in the hospital after surgery
- Proactively answer patient questions about recovery details
  - Educational materials
  - Daily goals on timeline
- Enable communication between patients and surgeons



# System Architecture



# Web App Main Screen



# Web App Create Patient

The screenshot displays a web browser window with the address bar showing `localhost:9000/patients/createPatient.html`. The page features a dark navigation bar with the Spectrum Health logo and links for [Home](#), [Create New Patient](#), and [Create Educational Content](#). On the left, a search sidebar contains a magnifying glass icon and a list of names: Jeff Cheng, Harry Chmidt, Emily Herrera, Marsha Holmes, Blake Fowler, John Roberts, Jessica Bartlett, Parker Jones, Allen Young, Harper Collins, Anthony Kennedy, and Rebecca Terry. The main content area is titled 'Create New Patient' and contains a form with the following fields: 'First Name', 'Last Name', 'Patient ID', 'Surgery Type', 'Arrival', and 'Vidyo ID'. A 'Submit' button is located at the bottom of the form. The footer of the page includes the Spectrum Health logo and the text 'Copyright Spectrum Health 2016'. The Windows taskbar at the bottom shows the search bar, several application icons, and the system tray with the time 10:20 PM and date 4/3/2016.

# Web App Timeline View

Patient Timeline

localhost:9000/timeline/timeline.html?id=10

SPECTRUM HEALTH Home Create New Patient Create Educational Content

## Jeff Cheng

Read the educational article, "Recovery After Sugery"

New goal

100% 33% 33% 100% 100% + 100% 100% 100% +

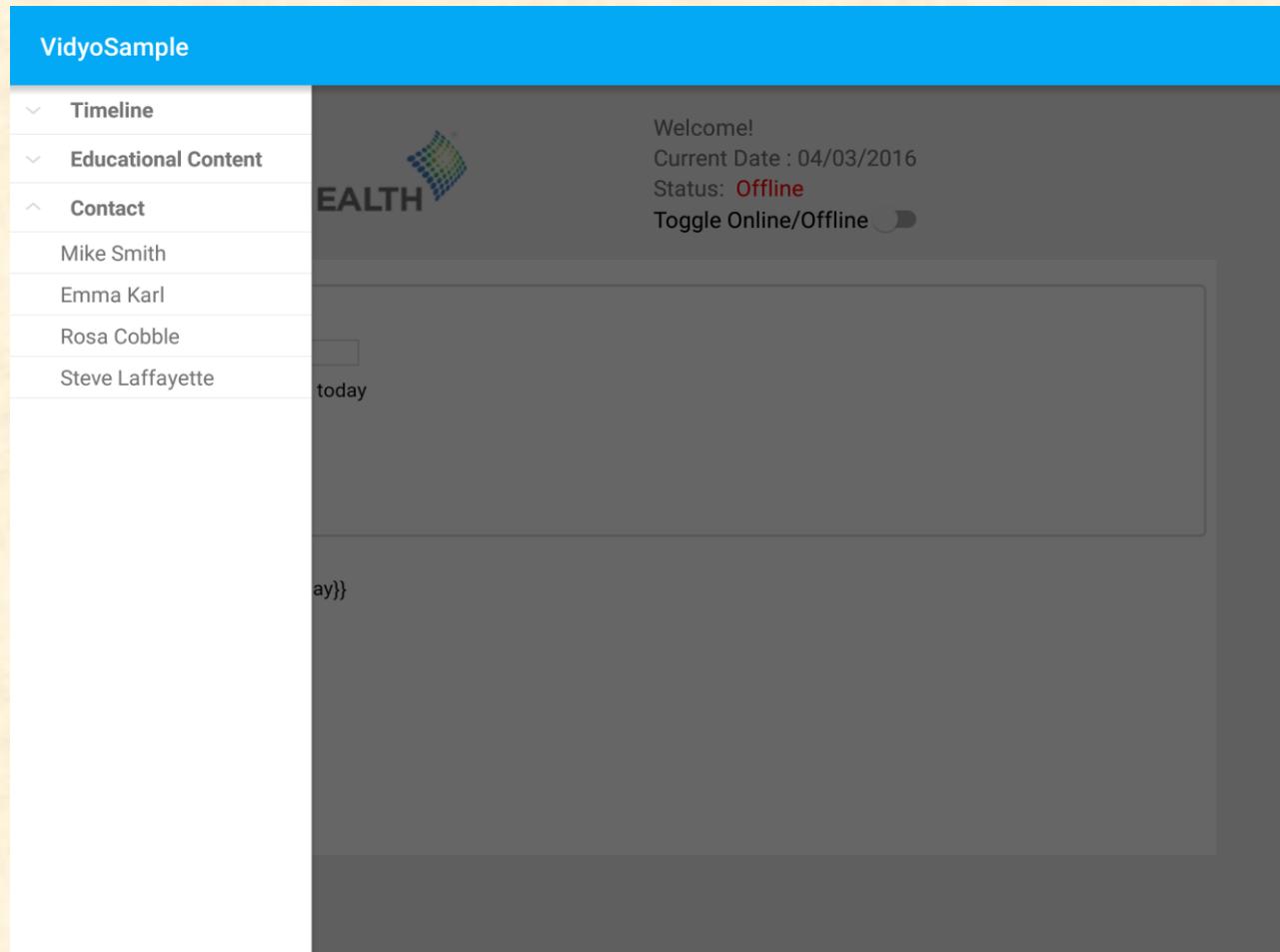
03/04 03/05 03/06 03/07 03/08 03/09 03/10 03/11 03/12 03/1

SPECTRUM HEALTH Copyright Spectrum Health 2016

Search the web and Windows

10:20 PM 4/3/2016

# Mobile App Sidebar View



# Mobile App Timeline View

VidyoSample



Educational Content   Contact Doctor

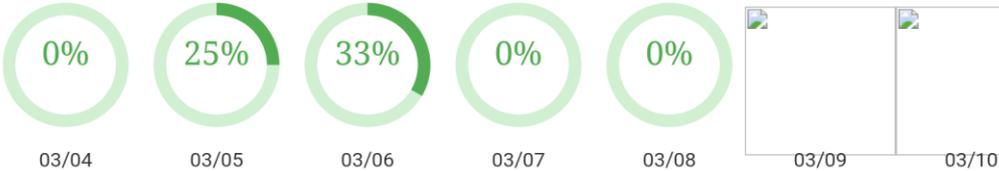
Patient ID: 10  
First Name:  
Last Name:

SPECTRUM HEALTH Home

## Jeff Cheng

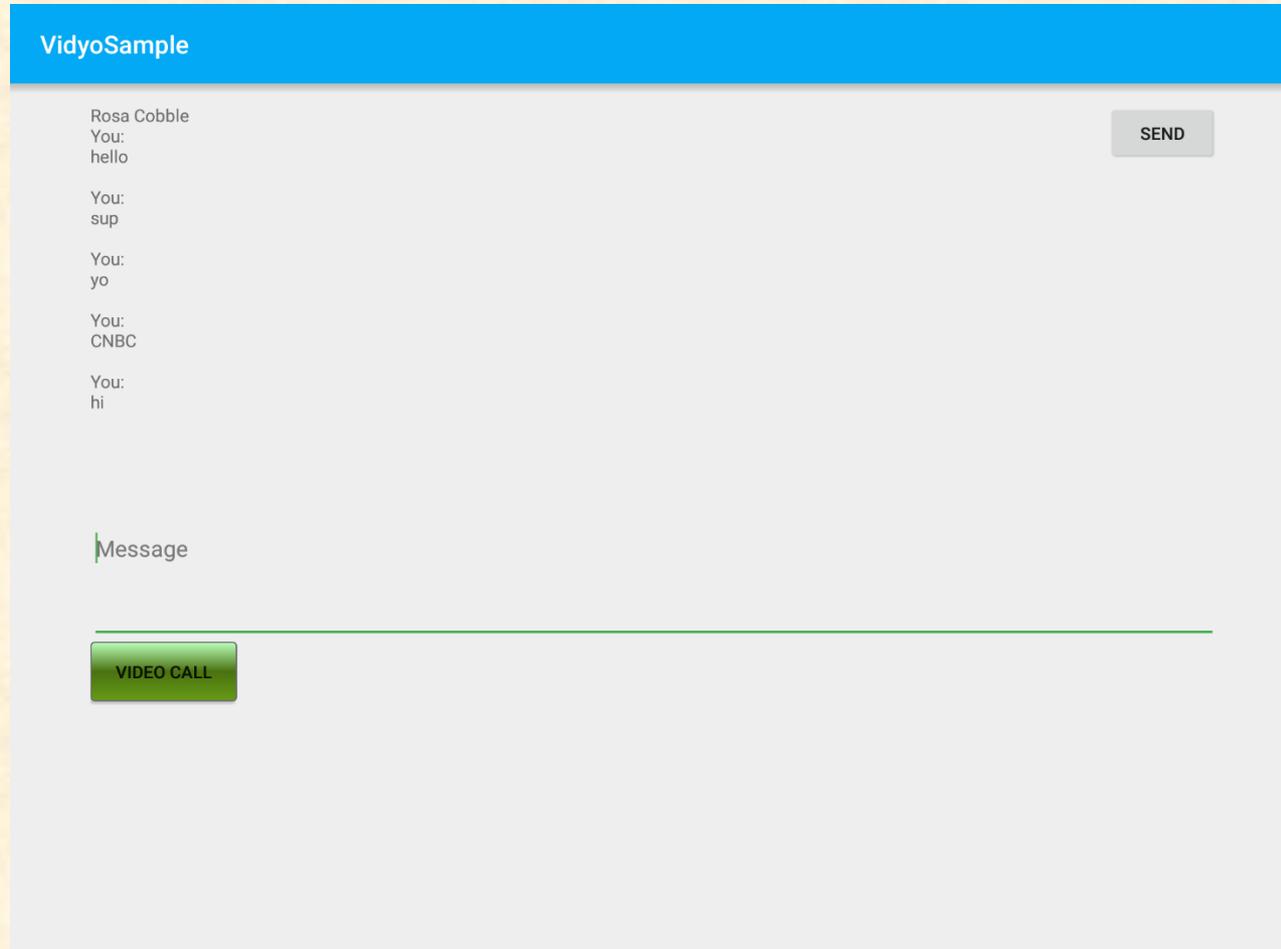
- Please drink 24 oz. of water [Edit](#) [Delete](#)
- Receive a minimum of 30 minutes of exercise [Edit](#) [Delete](#)
- Read the article "Diabetic Meal Plans" [Edit](#) [Delete](#)

Add goal:  [Add](#)

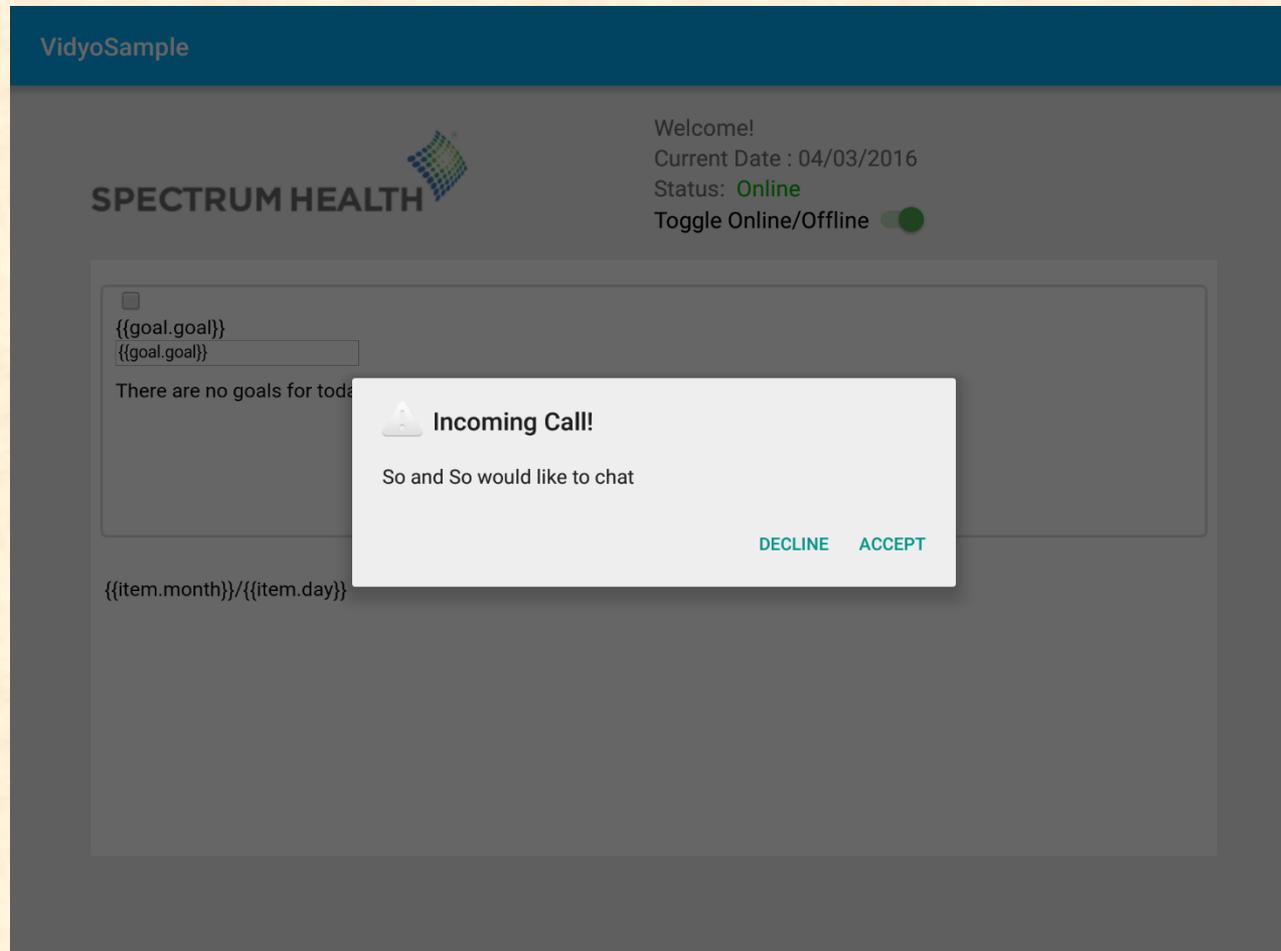


Date	Completion Percentage
03/04	0%
03/05	25%
03/06	33%
03/07	0%
03/08	0%
03/09	0%
03/10	0%

# Mobile App Messaging View



# Mobile App Incoming Call



# Mobile App Video Call



# What's left to do?

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- User experience and workflow tweaks
- General styling and front end touchups
- Support for varying screen sizes
- Find ways to utilize blank space in webpages
- Fix video calling bugs such as removing ability to call users that are offline

