MICHIGAN STATE
U N I V E R S I T Y

Beta Presentation
Spartan Experience App

The Capstone Experience

Team Michigan State University

Roy Perryman
Scott Swarthout
Patrick Pale
Nayana Kodur
Ryan Johnson

Department of Computer Science and Engineering
Michigan State University

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From Students…
…to Professionals

Project Overview

- Mobile app to enhance student and visitor experience at MSU
- Provides info in a user-friendly format
  - Dining hall menus and hours
  - Building and parking lot hours, locations, maps
  - Events on campus
  - Twitter feed of official MSU accounts
  - Context-sensitive info
    - Specific to user's location and the time of day

System Architecture

External Data Feeds

Maps/Places API

Building Info

Web Scraping

Menus

JSON

Events

TweePy

MSU News

iCal File

MICHIGAN STATE ATHLETICS

Back End

PostgreSQL
- Buildings
- Parking Lots
- Schedules
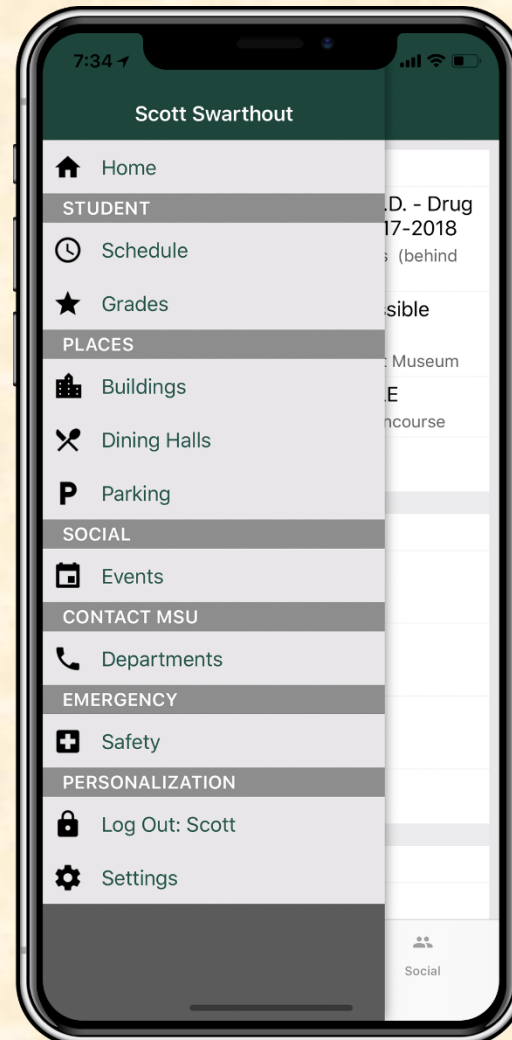- Classes
- Cafeteria Menus

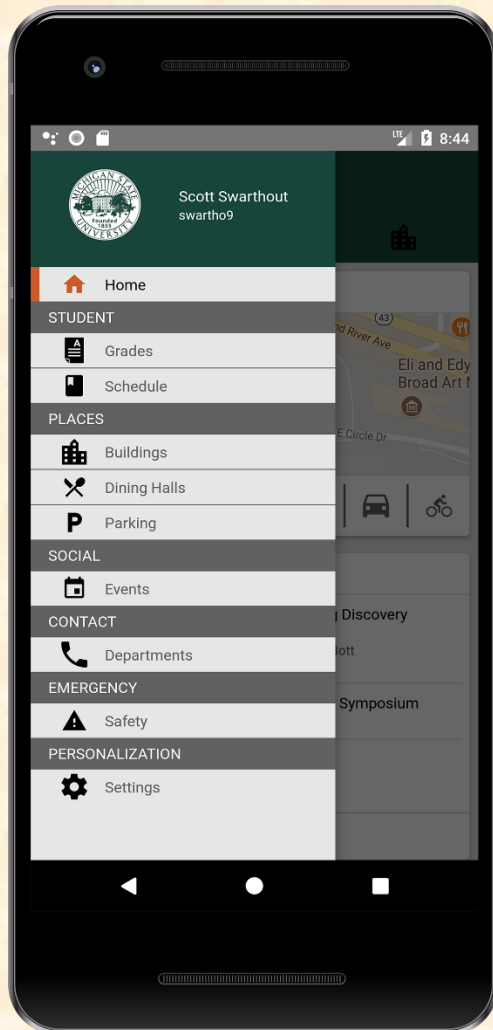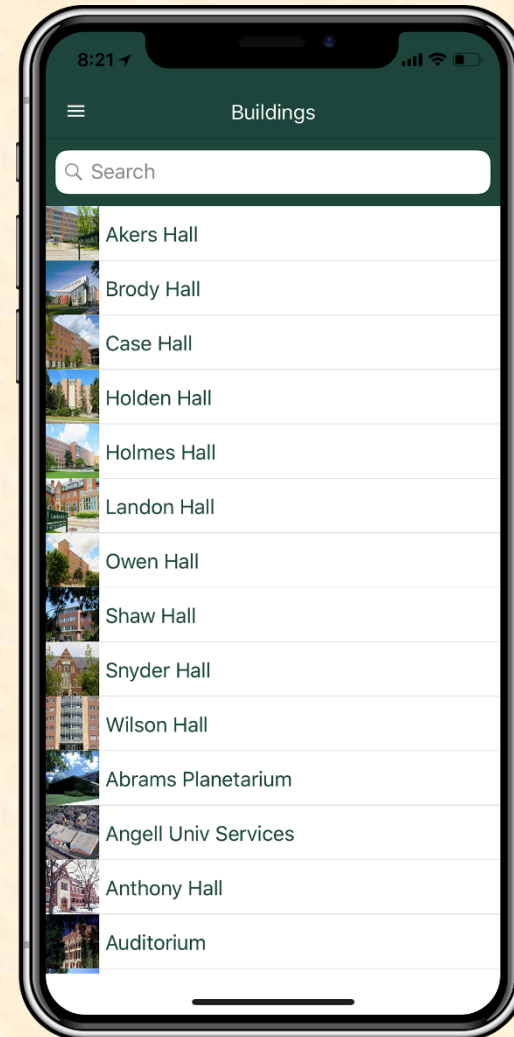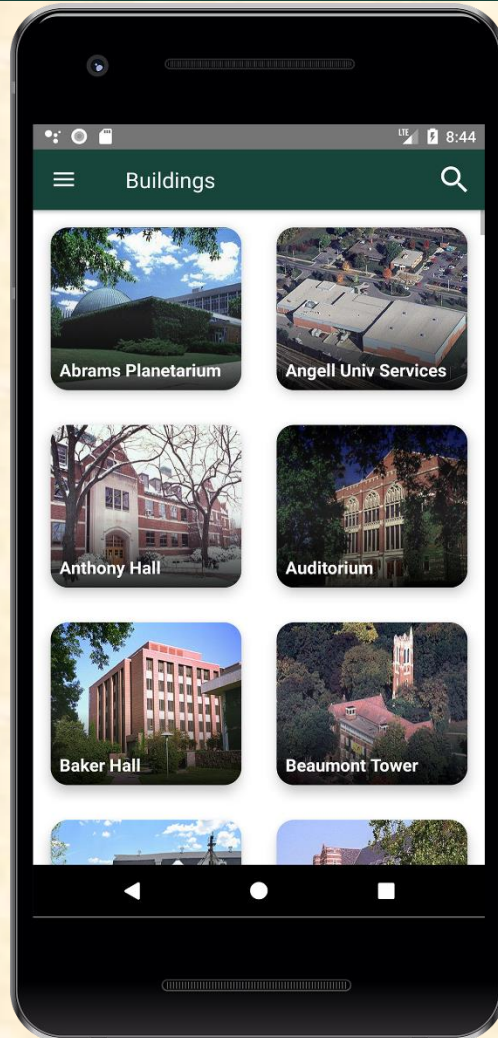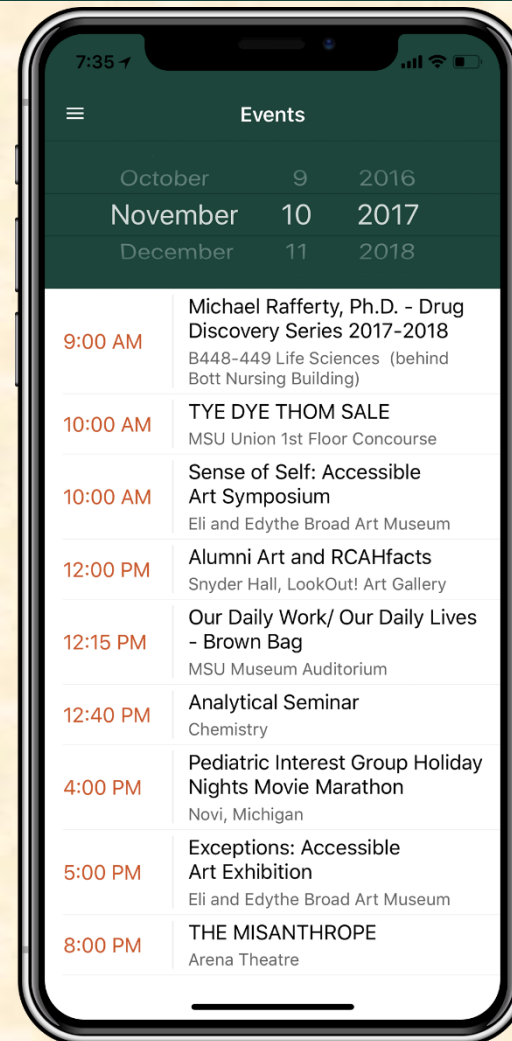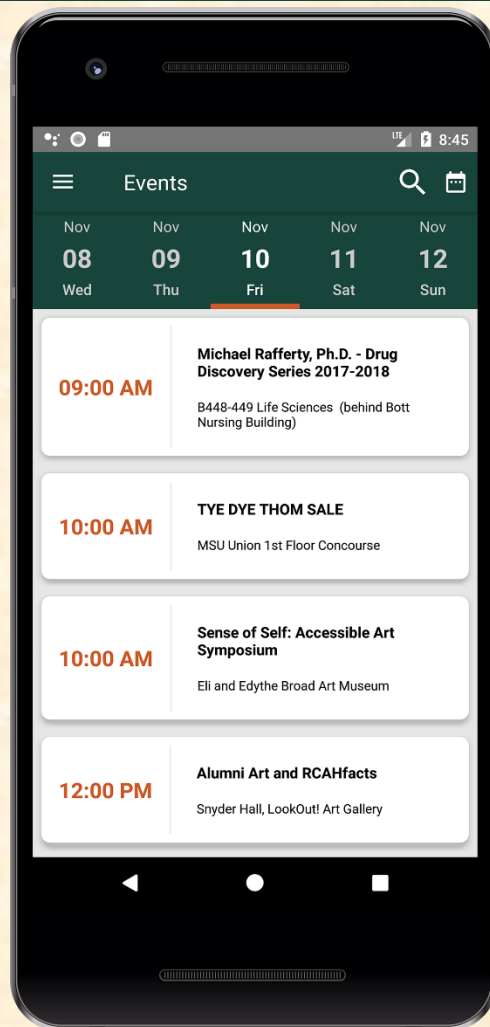python

Amazon AWS

API Gateway
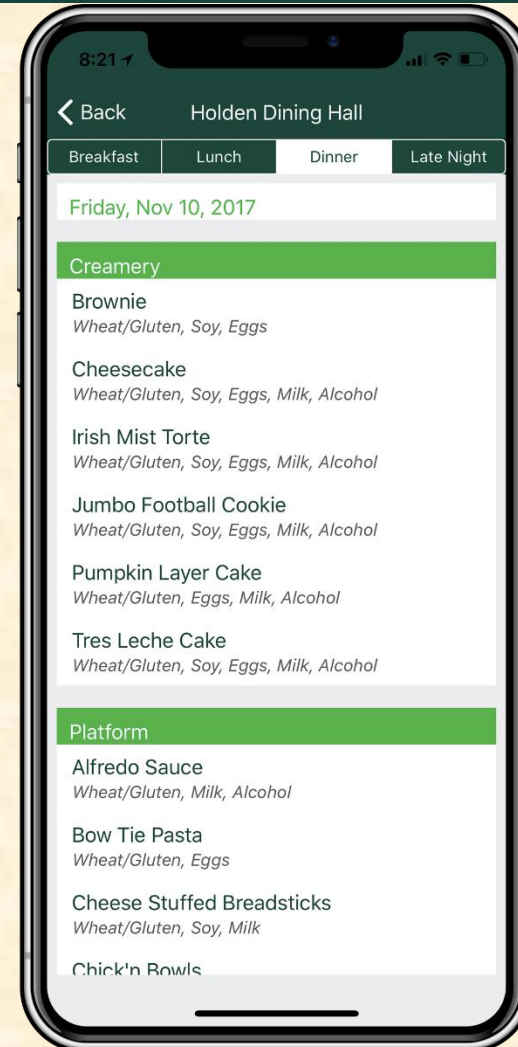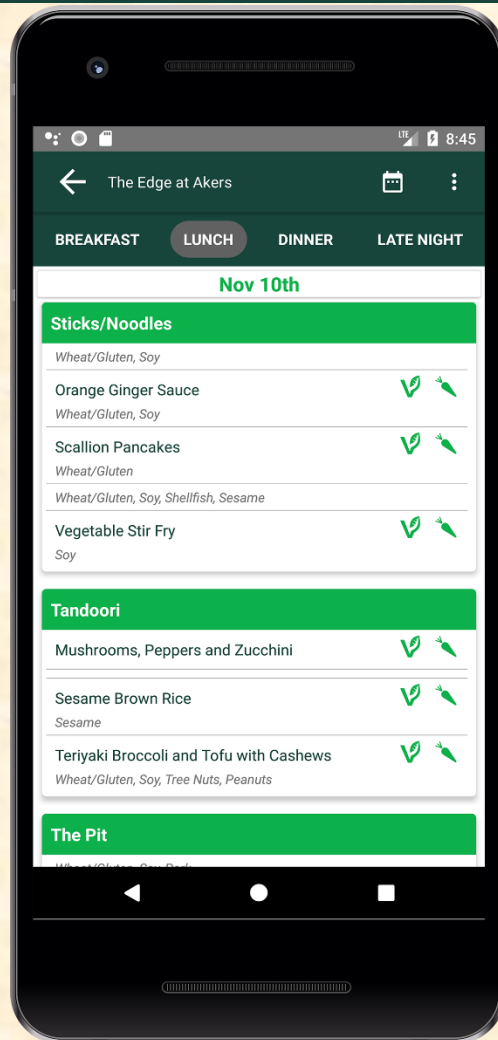
REST API

Front End
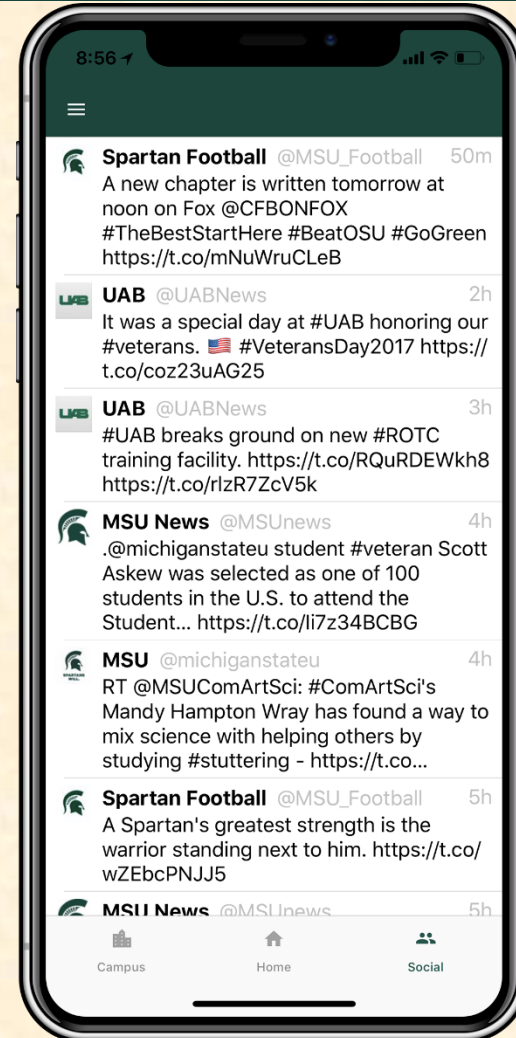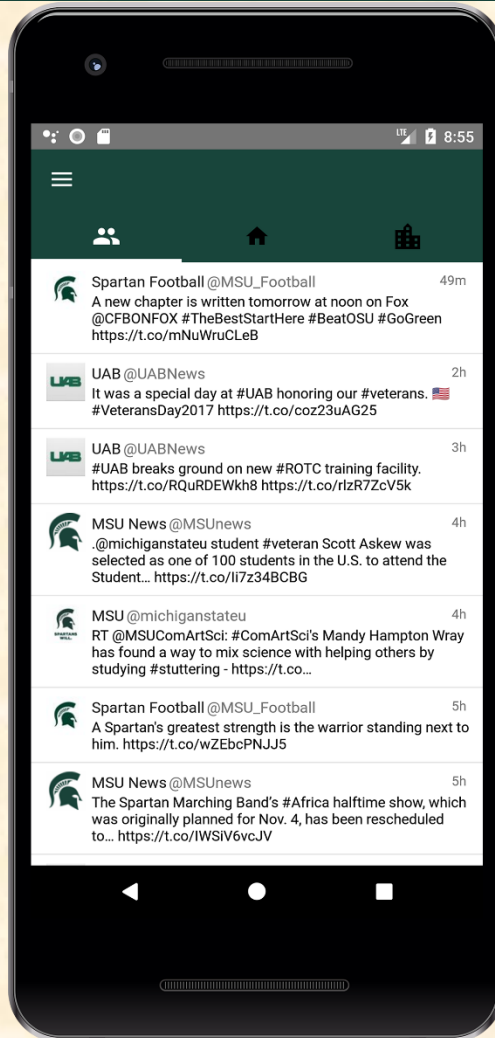
Home View: Nearby Information

Navigation Drawer
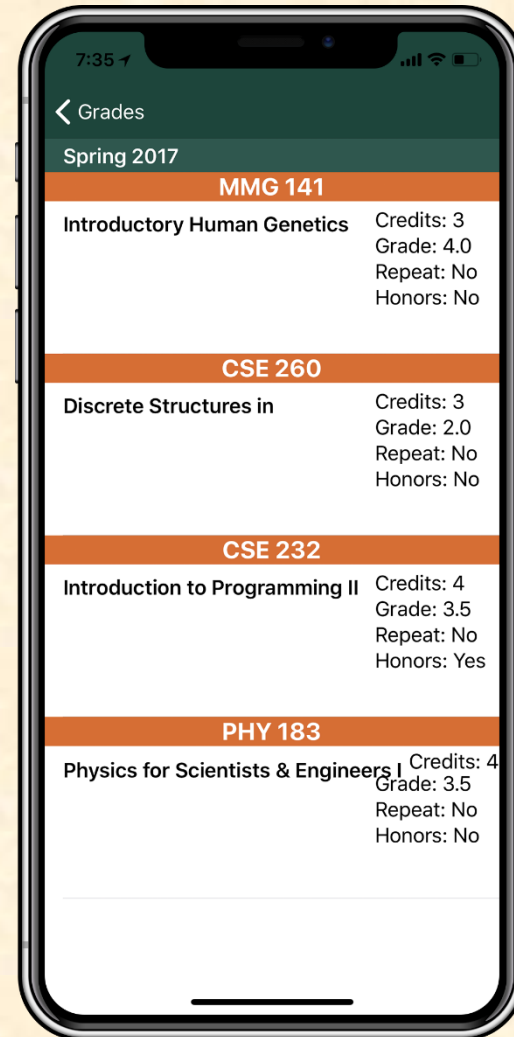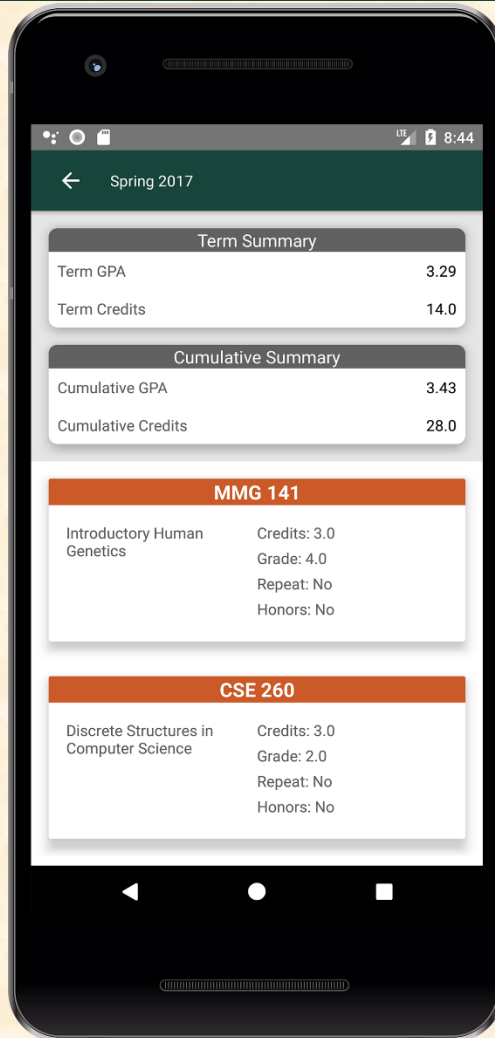
Buildings View

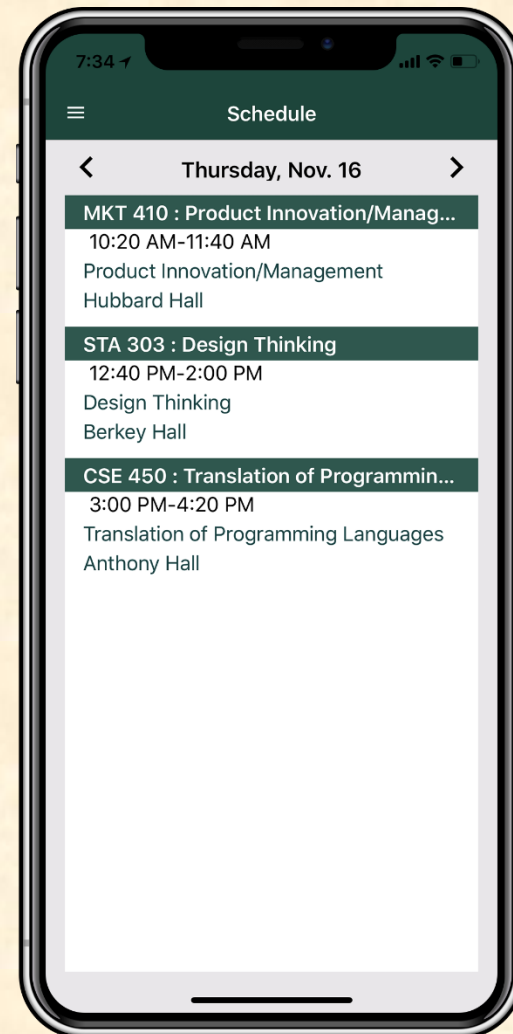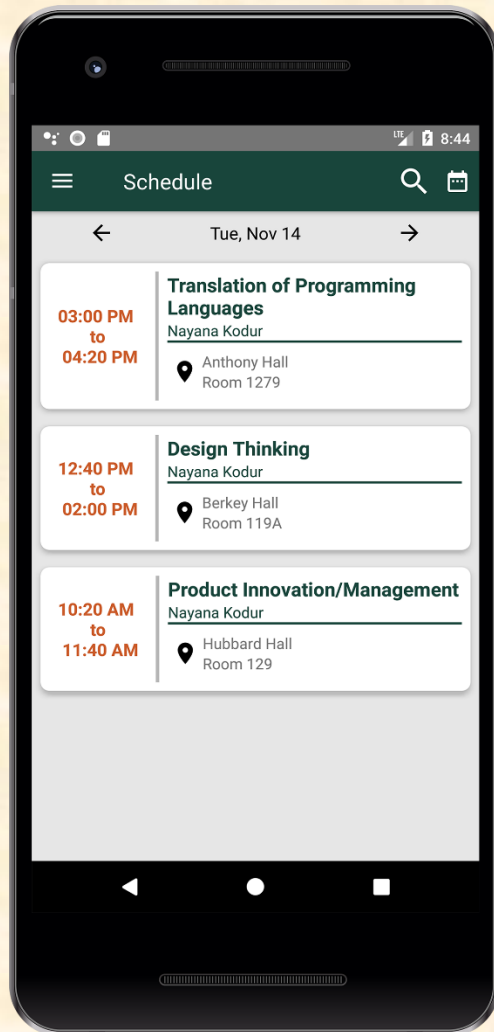# Events View

Dining Hall Menu View

Social View

Grades View

Schedule View

What's left to do?

- Remaining design parity between Android and iOS
- Building and parking lot hours
- Clean up events in back-end
- Enhance functionality for existing features
- Clean up code

Questions?