MICHIGAN STATE UNIVERSITY

Alpha Presentation Resident Physician Shift Tracking

The Capstone Experience

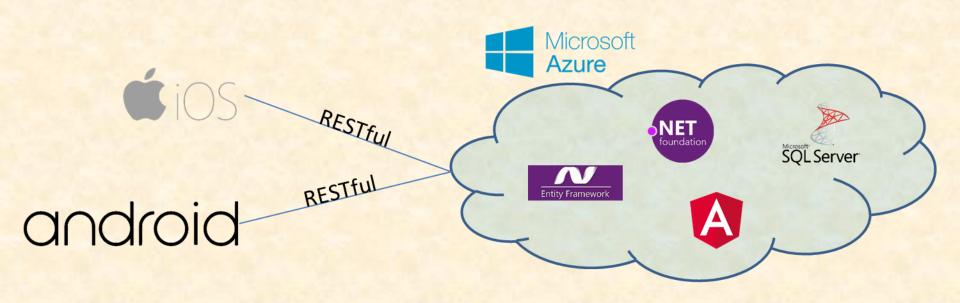
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Spring 2017



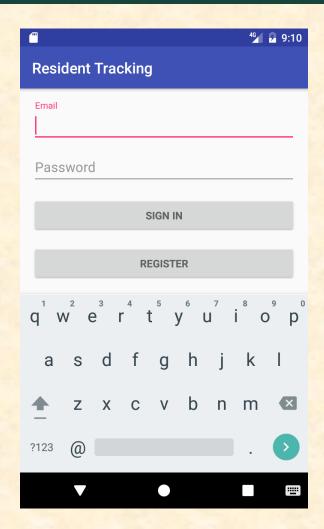
Project Overview

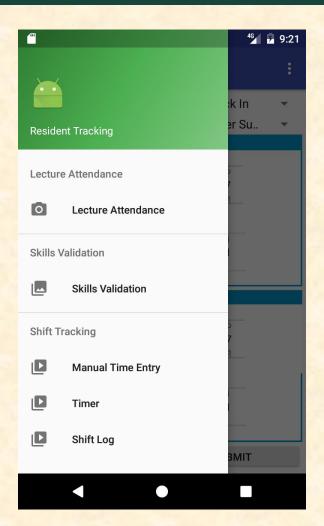
- Android and iOS app for residents to report and track their shift times
- Admin web portal for Resident Coordinator to view the residents' shift times and export the data to a CSV file
- Push notifications on the app to alert the resident when federal time restrictions are approaching

System Architecture

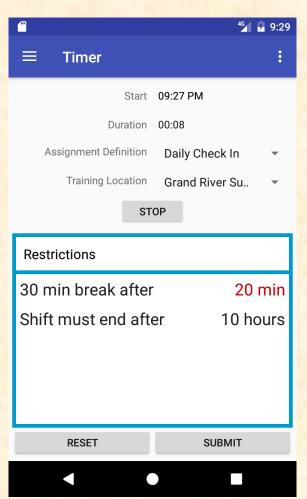


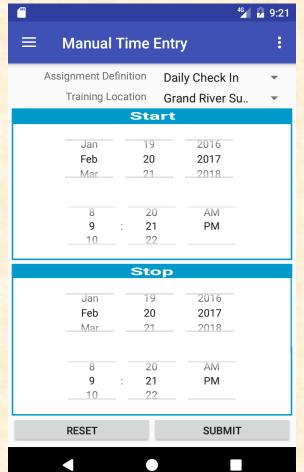
Android: Login and Menu

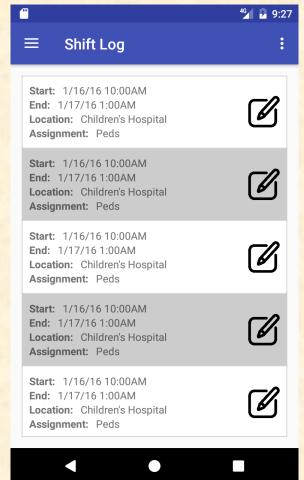




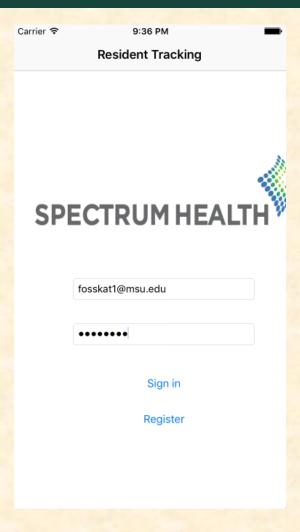
Android: Shift Tracking Features



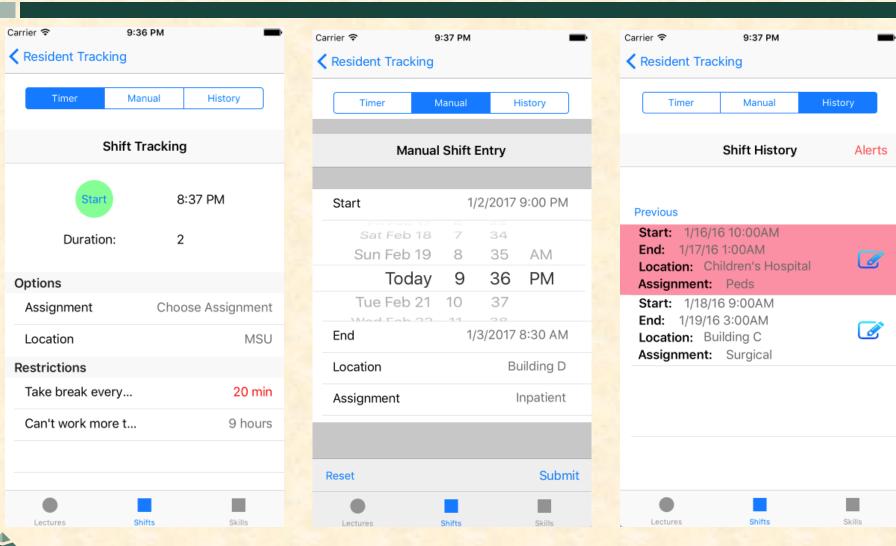




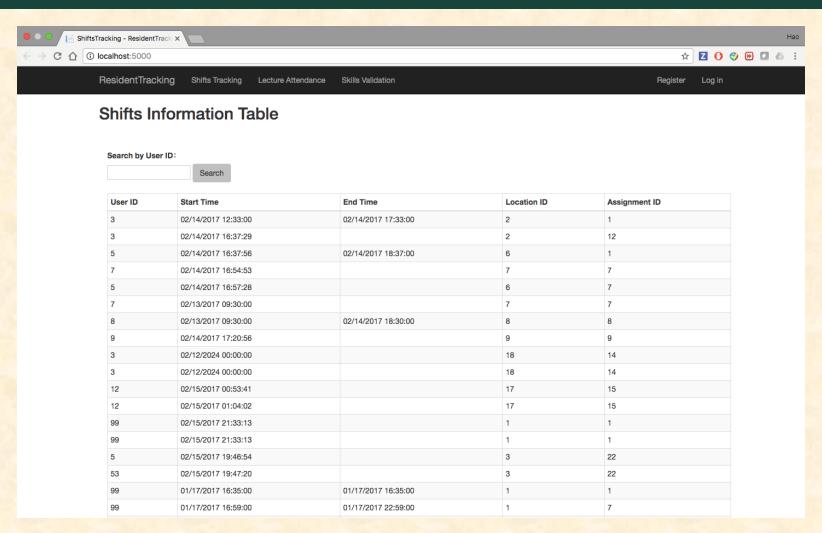
iOS: Login



iOS: Shift Tracking Features



Web Portal



What's left to do?

- Shift limit push notifications
- Load shift history in mobile apps
- Store state info when app is closed
- Map names to IDs for shift data
- Backend shift restriction logic
- Create view in web portal to display specific resident's shift history
- Export data to a CSV file



Questions?

