
SMART-on-FHIR app to pull PDMP

Video: Project Deliverable 1

Team Code Blue • 2019.02.17

My name is Laura Pike and today I would like to present team Code Blues project for the spring 2019 Health Informatic course at GA Tech. We will begin with an introduction.

Introduction

- SMART-on-FHIR app to pull PDMP reports
 - Support pain management
 - Compliance in dispensing opioids
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Team Code Blue is excited to be working on a SMART-on-FHIR app that clinicians in all settings and on all systems can view a patient's Prescription Drug Monitoring Program or PDMP report. Providing clinicians with patient PDMP status will help support pain management and opioid dispensing compliance, the first step in tracking the opioid crisis.

Research

- Legacy systems deliver PDMP reports
 - Solutions historically require \$1 Million acquisitions
 - \$10,000 / month support cost
 - PDMP access is growing
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In 2013, some states ran open source access to per-patient Prescription Drug Monitoring Program or PDMP reports from the prior performance with SAMHSA or Substance Abuse and Mental Health Services Administration and ONC, Office of the National Coordinator, both agencies of the US Dept of Health and Human Services. However, these legacy solutions are expensive, requiring \$1 million dollar acquisition cost and \$10,000 dollars per month support cost. PDMP access is growing. Even where EHR access may be blocked, legal PDMP reports in PDF document format are easily placed into the local EHR content management systems, just like esoteric lab results or nighthawk radiology reports.

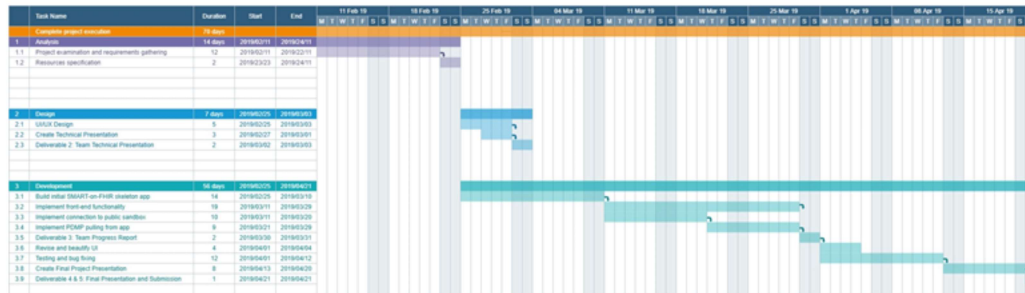
Business Case

- Publish SMART-on-FHIR open source model app to be applied by public hospital districts and underserved clinics and providers
 - Deliver a compelling high-value patient Rx safety solution
 - Provide patient safety and extend Certified EHR systems
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To solve this problem and provide a solution that is affordable, we propose an easier solution that utilizes SMART-on-FHIR. Our solution will:

- publish a SMART-on-FHIR open source model app to be applied by public hospital districts and underserved clinics and providers across the land.
- Deliver a compelling high-value patient Rx safety solution, which will help open doors to new generations of SMART-on-FHIR app solutions.
- Provide patient safety and extend the national investment in Certified EHR systems.

Gantt Chart



[Link to Gantt Chart](#)

In the next 9 weeks, team Code Blue proposes this timeline to provide a SMART-on-FHIR app solution to pull PDMP reports. We will spend the next week working with John Odden, our mentor from C4UH, understanding the project before us and what has been done. Then we will begin designing the project, followed by the development, and finally testing. Our completion date is April 21, 2019

Conclusion

Gokul Murugesan

Laura Pike

Adam Sligar

Imran Yousuf

Jing Huang

Tony Leung

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Nearly all states have a funded PDMP server or system, typically managed by the State Board of Pharmacy. With the Collaborative for Universal Health, or C4UH, solution available from GitHub, any state can provide a secure, open feed of PDMP data. All Certified EHR systems that provide both clinicians context and patient context via FHIR can be easily translated to pull PDMP results.

Project Status Report – Week 1

Summary

- Project Name: SMART-on-FHIR App to Pull PDMP
- Date: 2/17/19
- Team Name: Code Blue
- Team Members:

Gokul Murugesan	gmurugesan3@gatech.edu
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- Project Manager: Laura Pike
- Reporting Period: 2/10/19 -2/16/19
- Project Completion Status: **Green**

Project Repositories

- Github:
<https://github.gatech.edu/gt-cs6440-hit-spring2019/SMART-on-FHIR-App-to-pull-PDMP>
- Gantt Chart: [link to Gantt chart](#)
- Github Issue Tracker Link:
<https://github.gatech.edu/gt-cs6440-hit-spring2019/SMART-on-FHIR-App-to-pull-PDMP/issues>
- Latest Demo/ Presentation:

Upcoming Milestones & Deliverables

- [Gantt Chart](#)

Change Requests

- There are no change requests for this week.

Mentor Feedback

Tasks Scheduled for Last Week

- Task Description: Prepare Deliverable 1: Team Topic Presentation
- Status: Green
- Responsibility: Code Blue team
- Due Date: 2/17/19

Tasks Scheduled for Next Week

- Task Description: Work with John Odden to understand the project and what we are to do.
- Status: Green
- Responsibility: Code Blue team
- Due Date 2/22/19

Next Scheduled Mentor Meeting

- Date:
- Time
- "Location" (Hangouts, Webex, BlueJeans, etc)
- Organizer / Facilitator
- Agenda

Next Scheduled Team Meeting

- Date: 2/20/2019
- Time: 7 pm PST
- “Location” (Hangouts, Webex, BlueJeans, etc) **Webex**
- Organizer / Facilitator: Laura Pike
- Agenda
 - Finalize deliverables

Issues & Comments for TA