

# Team Final Project Presentation

## **Team No Sugar**

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# Project Introduction

- Development of a FHIR application to capture patient reported measures (PRM) for patients with rib fractures
- Respiratory therapy -> brief survey
- Application -> FHIR -> EHR
- Clinical decision support module will re-calculate the patients PIC score
- If PIC score < 4, then send alert

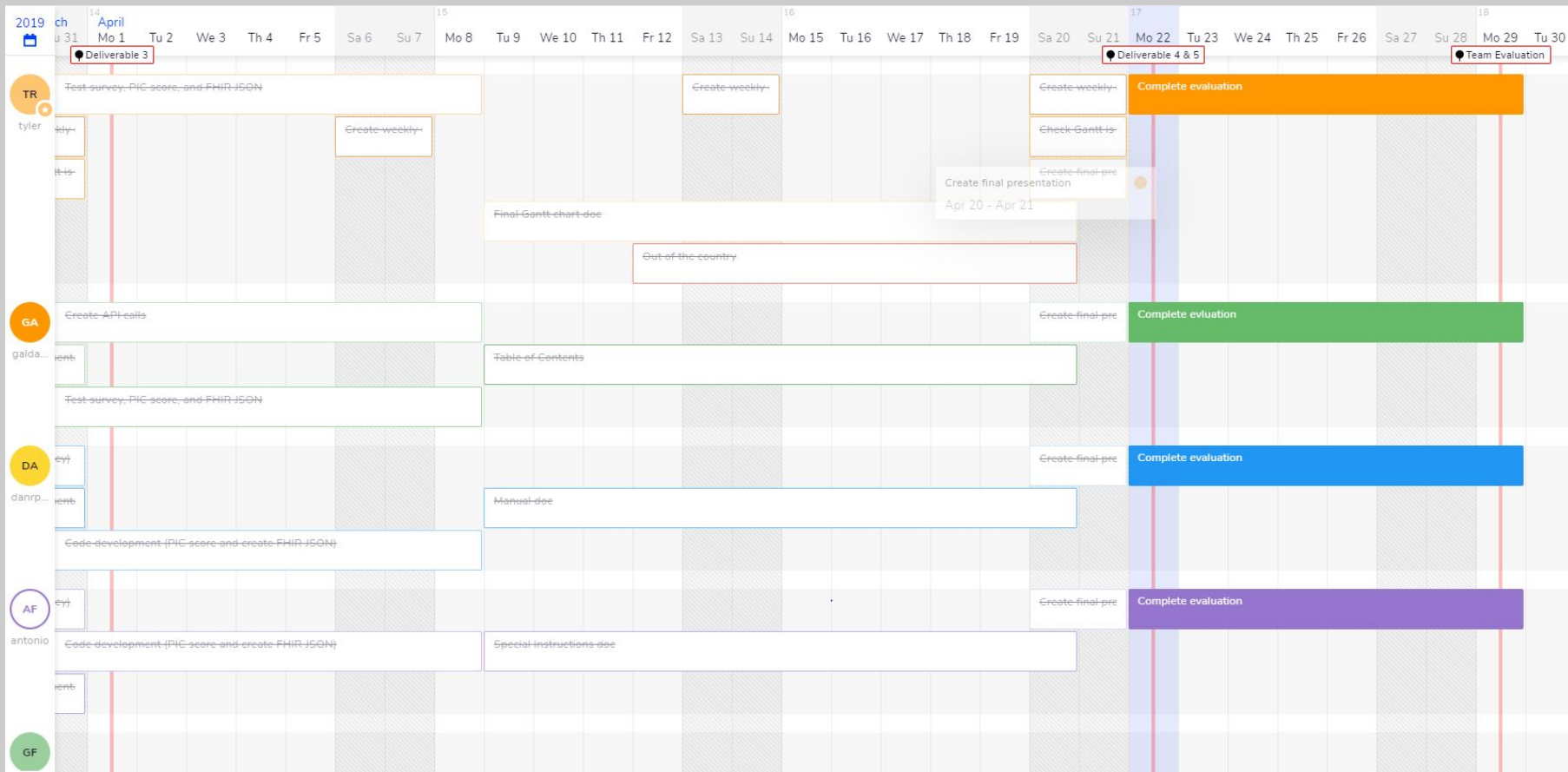


# Business Justification



- Improper record keeping of a patient's rib fractures could lead to:
  - Premature discharge
  - Complications in the hospital
- Premature discharge could lead to a re-admittance from complications.
  - A large portion of hospital funds go towards ICU stays with respiratory care as one of the main culprits.
  - Reducing the re-admittance rate could potentially save the hospital money.
    - i. Complications suffered in the hospital increase length of stay
    - ii. Price reductions due to the Hospital Condition Reduction Program = burden on the hospital
- More timely correct discharges + less inpatient complications = higher patient satisfaction
  - Could lead to higher hospital scores
  - Higher reimbursements
  - Increased business.

# Gantt chart

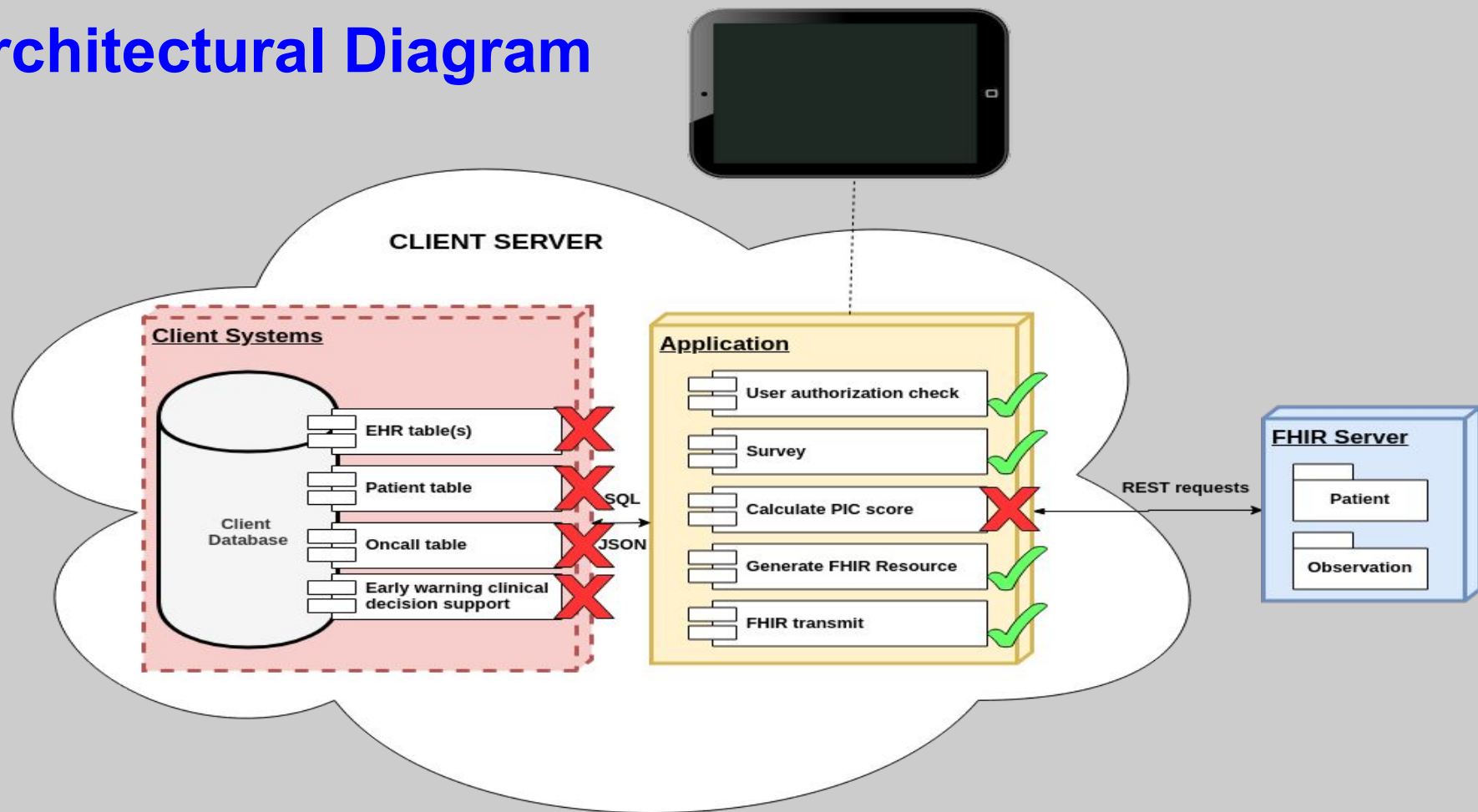


# Presentation link

**HDAP link -** <https://cs6440-s19-prj033.apps.hdap.gatech.edu/>

**Video Presentation Link -** <https://drive.google.com/file/d/1UaAD28OKVcRrCOB4I96G7BO0uj5sIQ1A/view?usp=sharing>

# Architectural Diagram



**THE END**