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## RAJ VANSIA

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### **Required Skills:**

– No Preference ,Web Application, Responsive Design, API, UI Design, Databases

### **Preferred Team Communications:**

Conference Call, Slack, to be discussed

### **Data Sources:**

FHIR resources, GT Synthetic Data

### **Other Items:**

Project has time zone flexibility. Mentors and students will determine a good time for virtual meeting

### **Team Info:**

Needs a Developer, QA, DBA, Project Manager. Allows one team of 4-6 members.

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## HEPARIN ADVISOR

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Heparin is an anticoagulant utilized to help reduce blood clots. It is widely used before surgery and a treatment for heart attacks. However, patients on Heparin therapy can develop thrombocytopenia which is low platelet count. This project is to build a heparin advisor that can alert clinicians if a patient will develop Heparin induced thrombocytopenia (HIT). The 4T score has been developed to assess the risk factor of a patient developing HIT. The goal is to develop an App that would alert clinicians if a patient is at risk of HIT

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### PROJECT OBJECTIVES

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Develop a Heparin advisor for clinicians that can alert users if a patient is at risk for HIT. The advisor should pull in relevant FHIR resources to populate the 4T score algorithm.

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### SUCCESSFUL PROJECT

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1. The app should display a dashboard for all the patients a clinician is taking care of.
  2. The app should implement the 4T score and pull in relevant information using FHIR
  3. It should predict and alert the physician if a patient is at risk of HIT.
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**Intellectual Property:** None