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## BRENT FORSGREN

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### **Required Skills:**

(List skills needed) – Java, HTML, JavaScript, Web Application, UI Design, Databases

### **Preferred Team Communications:**

Conference Call, to be discussed

### **Data Sources:**

Students can use public FHIR test servers for patients to add medical history data to. The Mentor will provide images of the paper forms that need to be converted to web pages.

### **Other Items:**

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

### **Team Info:**

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

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## PATIENTS CAN ENTER MEDICAL HISTORY USING A WEB APPLICATION FOR ORAL SURGEONS

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Oral surgeon's office that doesn't have an HER system uses paper forms for patients to provide their medical history. There are forms that must be converted to a digital format. The patient medical history data needs to be stored and retrieved from a FHIR database. An app for the waiting room that then is written via FHIR to EMR.

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### PROJECT OBJECTIVES

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Develop a web application that can be used by patients their medical history information. The web application presents the medical history data/form in a format similar to the paper forms to make transitioning to the web application easy. Web application should be usable on a tablet device.

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### SUCCESSFUL PROJECT

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Web application is aesthetically pleasing to the eyes.

Web consultation forms look similar to the paper forms.

Medical history data can be captured, stored and retrieved by patients, physicians and nurses.

Web application is easy to use on a tablet device.

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**Intellectual Property:** None