

## **Drag n Drop Bootstrap Web Designer**

### **Client**

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### **Background**

We have extended HTML to include various database communication routines: think AngularJS but for integrated reporting. We use these extended tags to deliver forms and reports (charts, tables, and other templates) from a database server. Our next step is to make a drag-n-drop designer to make it easier to design such things, but we want to do better. We want to create a graphical user interface to, via drag-n-drop, edit any XML file. We'll focus on Twitter Bootstrap for layout, but we'll design it so it can be used for any XML. Obviously, such an editor can be applied to many applications.

### **Project Goals and Requirements:**

Build a graphical user interface to, via drag n drop, edit an XML file. I have some suggestions on how to architect it, so we'll begin with us giving you some direction on how it could be implemented. Then you will build the interface, and you will install it into our web application. The main goal will be streamlined report and form building.

You'll learn a lot about how modern web applications are laid out in a responsive way using CSS. You will also learn about modern web application development using Javascript and HTML5.

### **Suggested Team Size:**

3 students

**Paid internships are available after Field Session for students that perform well.**

### **Skills/Experience for CSM Students:**

- Javascript/AJAX
- HTML5
- CSS
- Twitter Bootstrap