

BIM *SHIFT* – Dynamic HTML5 Data Display GUI

About BIM *SHIFT*:

1. We are located in Littleton, Colorado.
2. We are Mines graduates!
3. We create our own software to solve a very wide range of customer requirements.
4. We develop cutting edge web applications.
5. We love technology and delivering the best product possible – We don't cut corners.

Key Languages/Technologies To Be Used:

1. HTML5 – All web interfaces are designed to be fully mobile compatible
2. JavaScript – jQuery – The vast majority of the web application(s) we create are dynamically loaded using behind the scenes AJAX calls and on-the-fly loading of js files
3. PHP – Base PHP, some custom frameworks
4. SQL – We work with huge amounts of data often stored in multiple databases

Background:

We work with many large corporations to help manage their building information data. We work individually with each client to custom design their interfaces and specific desires for the program, often integrating with multiple systems. No two clients are the same, and there is always new and exciting work to be done! This project will focus on presenting large amounts of data to the end user via a HTML5 web interface giving a visual representation of the data. The data to be used will be pulled from our databases and displayed in a web browser. The web application framework (login system, databases, core dynamic linking and loading) is already designed. This project will focus on the pulling and displaying of the data and creating the appropriate interfaces.

Location

Work can be done on campus, or at our building (Littleton, CO near Broadway & Littleton Blvd) based on student preference; however, if working from campus, we do expect more communication so we can ensure all the goals are being met.

Who Should Choose This Project And Why?

This project is a great opportunity to learn more about the quickly growing world of web services and cloud technology. Ideal groups would be familiar with at least the basics of the above technologies and interested in pushing the boundaries of what can be done on the web. Our clients love technology and want the best and latest technology available. Our end users demand easy to use applications that require little or no training to understand and use. Therefore groups should be capable of creating easy to use, low interaction graphical user interfaces.

Groups should be capable of in-depth debugging. Since files are dynamically loaded, it can be more difficult than standard web applications to find and fix issues. We won't tell you the best way to do something; we leave that up to your experience and allow you to show your skills.

You will gain practical experience in web development and your project will actually be used in our products. We are growing very quickly and looking to hire interns and full time CS majors. If all goes well on the project, we would be interested in continuing more projects via internships or full time! Preferred group size is 3, but if you feel you need fewer or more and can justify your reasoning, we will be happy to change the group size.

BIMSHIFT is a group of Mines graduates who are fun to work with and easy to talk to. We are always chasing the latest technology to keep us excited and driven.

Questions?

Email mike@bimshift.com