Systematic **UI**

Estimate #10

ESTIMATE

Estimate Date: 2019-01-14

PeakView Roofing

Christopher Schlumpf

Description:

PeakView Project Management & Customer Coordination Portal

Description	Rate (USD)	Tax	Total
Phase 1 UX Design	$ 4,800.00	No Tax	$ 4,800.00
Requirements and functionality analysis. Visual design of up to 15 screens. 4 rounds of revision. Prototype user testing with internal users, and anonymous online testing services.			
Phase 1 Development	$ 14,500.00	No Tax	$ 14,500.00
API Development and Backend Integration Internal Job management Screens Main Job Dashboard Displays File management Job Status Activity Logs and Threaded Support Conversations Email Ingestion and Parsing System Customer-user management and accounts			
Phase 2 Development	$ 26,000.00	No Tax	$ 26,000.00
Private Budget Management Customer-facing Budgets Expenses Payments Vendor-users and accounts Trade Bid Requests Vendor Bid Responses Trade Item Status and Project Management Functionality			

Subtotal:	$ 45,300.00
Total:	$ 45,300.00

Notes:

Christopher,

Here is my high-level estimate of the functionality that we discussed. These estimates are based on my understanding of the requirements as they stand, but before we could begin any work, more detailed requirements would need to be written and signed as a Statement of Work. I believe in building solutions to a high-level of professionalism and quality. I have 15 years of experience working with large enterprise clients and small lean startups. That experience has given me a deep understanding of web app development processes, that knowledge informs all the estimates above and the detailed description below. Feel free to ask me for

clarification on any of these details. This estimate is for a development process that I manage and direct, but if you want to make use of my time and expertise for consultation or assistance on the side of a different project we can always arrange an hourly rate instead.

For the Peak View Customer Portal application that I would build, the development process starts with user experience design and requirements analysis. I would interview internal users at PeakView to understand how the new system could impact their current day-to-day responsibilities. It is also important to interview a sample of real customers or simulated users to understand their needs from a system of this sort. It is important we know that we are solving the right problem, not just solving it in the right way. Then, during the design phase I will prepare detailed wireframes and low-fidelity design prototypes and use those for review, revision, and approval with project stakeholders.

After designs are revised and accepted we can begin developing the back-end and front-end code for the solution. This work will involve developing a backlog of specific user-stories and developing code for them in an agile fashion. I will conduct demos of finished functionality every 2-3 weeks during the development phase to get feedback. We will begin deploying the application as an internal beta test as soon as some pieces of finished functionality are ready. The development process will involve strict code review procedures and continuous deployment of changes into a staging and test environment. PeakView roofing will be responsible for final acceptance testing of the application.

The entire application will be built according to 12-factor application best-practices, and following all OWASP security recommendations. The application will follow automated unit testing and end-to-end testing industry best-practices. The server-side application will be built as an ASP.Net Core web application, with a Vue.js JavaScript front-end interface. The data access layer will interface with the existing Peak View databases and infrastructure in Azure. Care will be taken to make sure all elements of the new solution are modular and easy to maintain, as well as easy to duplicate and re-sell in the future.

Final visual design will happen during the development of the front-end application. We will make use of customized web component frameworks to speed up the development of complex user interactions. All custom code and visual design will belong entirely to PeakView Roofing at the completion of the project.

Systematic UI, LLC is a fully insured professional services company that prides itself on delivering lean and affordable solutions to large and midsized organizations. We make use of contractors and freelancers with the goal of spreading employment opportunity around the world. All work is managed centrally by me, and will be reviewed carefully for quality and completeness every day. Payment can be broken up per phase and half of each phase is due before work will start. All work comes with a quality and fix warrantee time frame of 1 year. If you discover bugs and errors in the original work (within the scope of the signed Statement of Work) I will fix it during that year.

The total timeline of all 3 phases will take approximately 6 months. Specific deadlines can be decided in the final statement of work, but adding strict contractual deadlines will necessitate some increase in total project cost.

Regards,

Timothy Bendt

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PS. I have begun some notes about your project in an online collaboration space, which we can discuss in more detail. https://realtimeboard.com/app/board/o9J_kyA5lXU=/