

## CS 485 Project Proposal

*Silver & Stones* is an interior design shop on London Road in Eau Claire. Their web presence is somewhat outdated (it's a single static page made by a WYSIWYG editor). The client requests the construction of a much more diverse web solution – specifically, one that incorporates a manageable online catalog and as much search engine optimization as possible to drive up business. The system would need to include a “base” website in addition to the online ordering functionality. Preferably, the website would be responsive and use a framework like Bootstrap or Foundation.

Should the project time frame allow, the online catalog may evolve to include an online shopping cart and ordering system. Use of the Stripe or Square APIs to process payment is suggested but not required, as long as the processing is guaranteed to be secure. The client may or may not wish to offer shipping, and instead may use the shopping cart as a glorified hold system. This would mean that customers could pay online using a credit card and pick up in the store. These details would need to be ironed out with the client as time allows.

The intended users of the application include the store owner for managing inventory and online availability as well as any potential buyers from the internet. As such, any all means by which to improve application security and reliability should be taken.

There are many online shopping cart applications that exist already, but none of them have the exact look and feel that the client is hoping for. Also, working from the ground up allows the client to have control over what exactly needs to be rolled in instead of accepting a batch as-is. Many of the staff are not technically inclined and would prefer much simpler means of interaction with the system.

Possible risks include issues with the API used to process payment, issues with inventory management, and server technology availability. The client already has a web presence as stated above, but would be willing to relocate if necessary in order to achieve the best results.

The client can be contacted at:

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