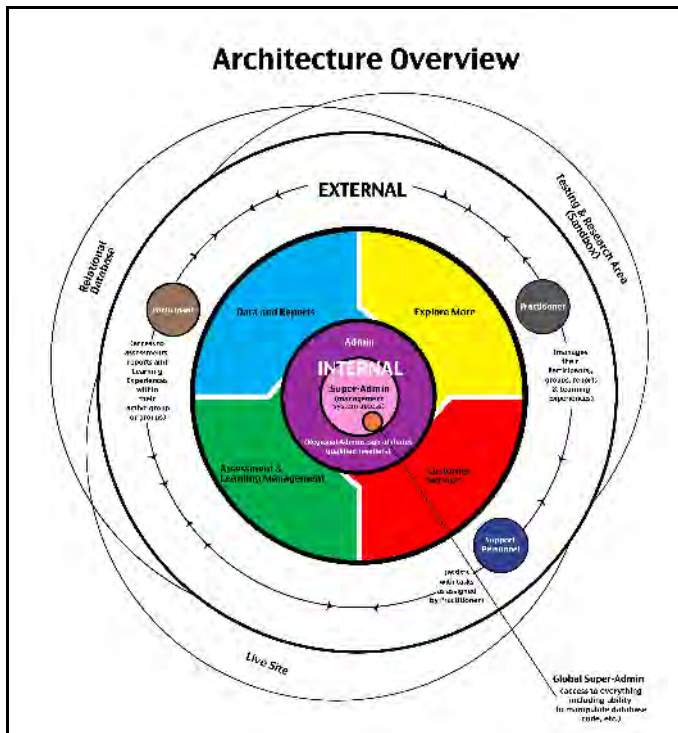
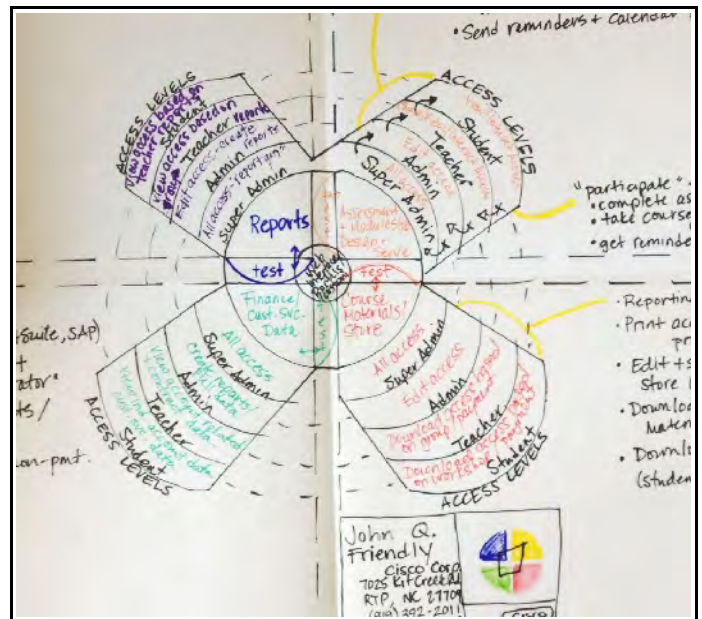


Client: Herrmann International – October 2012

Complete redesign of external and internal system architecture for a medium sized education/technology business with an international presence and many Fortune 100/500 clients.

After several weeks of discovery and interviews with employees, executives, and customers, I sketched out the solution that simplified the different reasons people use the system into four areas, and further defined the user types (based mostly on security levels) into four categories.

The previous system was patched together over a 10+ year period and was/is in dire need of updating on all fronts: technology stack, overall architecture and structure including database design, usability / accessibility, and optimization in order to address strict international privacy and security concerns and laws. All of these things were taken into consideration at a very early stage when this sketch was made. The final architecture is depicted below in a diagram that I created.



After subsequent lengthy discussions regarding all of the complicated nuances and challenges with their business model, the original concept I proposed was approved with very few changes (mostly the addition of two more security levels). The client is currently in the process of hiring a development firm to further spec out the technology stack and implement the system based solely on my recommendations, which I documented in a 50-page requirements document.

The document also included sample web pages with design/user interface guidelines, sample use cases and detailed descriptions of what functionalities would be needed - ranked from critical to future needs. Additionally, I was engaged in the roadmap and project management plans for the associated applications, including mobile and video, that will be coming going forward.