Constraints Essay

The first constraint for our project is economic. For this project, we have no budget for purchasing software of any kind. We will be relying entirely on freeware for every aspect of the project. This includes using community versions of software like MySQL Workbench.

Our second constraint is legal. For the purposes of our project, we are going to make it free open source software. We are going to be using MySQL and they have licensing information that will be applicable. In order to not need to purchase a commercial license with Oracle, our software must follow the guidelines of the GNU General Public License. So long as our project is open source and licensed under the GPL, we are free to use Oracle's MySQL open source software in our application.

Our third constraint is security. Since our application will be dealing with personal information, a high priority is to keep that data from being accessed or modified by unauthorized parties. This is especially important considering some of the data stored will be from a patient's medical records, which are protected by HIPAA. Our software will have to include security measures like access controls, user authentication, and backups of important information.