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| Solution | Advantage | Disadvantage |
| Improve upon the current system | No vast overhaul will be required  System will be familiar to those who used it previously  Should be cheap and not too complex to achieve | Underlying problems with the system may never be resolved  Would not improve efficiency very much |
| Database Management Software | Already exists  Will have technical support from creators | Such software tends to be made for sale, instead of open-source, requiring a purchase.  Not that user friendly  Can take up significant amounts of hard drive space |
| Web Application | Will be accessible anywhere assuming there is a proper connection and equipment available  Web-based applications tend to be able to be embedded into other applications with relative ease | Much higher security requirements  More web-based knowledge required to used |
| Spreadsheet software | Many programs already exist and are readily available  Judy herself has had experience with one before (Excel).  Generally doesn’t require that high of IT skills to understand and operate. | Judy herself has expressive her annoyance of having to use such a software.  Not as user-friendly as required.  Such software tends to be made for sale, instead of open-source, requiring a purchase.  Can take up significant amounts of hard drive space |
| Custom Designed Python Program | Can be custom made to fit specifications  Custom GUI to fit the user’s specific needs  No purchase required  Shouldn’t be very resource intensive | Will take time to develop  Software may not be able to be used in another circumstance except for the one it is designed for  Coding a GUI ontop of a DBS is a lot of work |

\item I know much about the Python language, and I could not create the same application using any other language

\item All the aspects of the program will be made to fit Judy's requirements and specifications

\item A easy-to-understand GUI can be created, also to fit Judy's needs

\item The program will not be very resource intensive on the computer it is run on, allowing it to be used on a variety of different machines if required

\item The program and all the data are not likely to take up much space (20MB maximum) and it will be very easy to create backups of program versions or database copies from different dates

\item This new system will be superior to the current system