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| **Computer Science 131**  **Section 01**  **Spring 2013**  **Windows 9**  **12 February 2013** |

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|  | Windows 9 |

# Project Statement

# Lynne Koropp, of the Sacramento State Engineering and Computer Science department, has two main assignments for us. First, she wants us to streamline the way people create ECS accounts and MySQL databases. The way it is currently set up, the user has to complete one, then loop back around via the website, and complete signing up for the other. She would like for a user to be able to sign up for one or both, without having to type in personal data twice and without having to loop back to the beginning of the website, reclicking the same links over again. Lastly, she would like an application to make it easier to create and manage the accounts and databases currently in the system, as well as the ones that will be added in the future. The way she manages everything now is very tedious, and it requires a lot of time to maintain things as well as update them.

**Software/System Objectives**

The software objectives are split up into two aims. First, the software objective of creating the front-end piece of this project is to script an organized compilation of web pages that offers students a convenient method to apply for both an ECS Account and a MySQL Database, if requested. This includes making the web pages more creative and “easy to look at” as well as making the application process simpler and uncomplicated. Through efficient HTML code and PHP, we can assure that the front-end web page is easy to navigate through. Second, the software objective of creating the back-end piece of this project is to code a standalone GUI that is programmed to increase the user’s efficiency with managing the MySQL databases and the ECS accounts separately. By creating a database manager for Lynne to use through a standalone GUI format, she can more easily process the applications that she receives. Rather than having to perform a tedious, manual process in order to deal with a student’s application to request an ECS Account or a MySQL Database, a GUI format will make it more convenient and organized. A very simple interface with search options and a few actions is probably all that is needed to greatly impact productivity in Lynne’s office. Windows 9 as a group has communicated the programming languages that may be utilized to complete this standalone GUI and database manager. Languages that provide simple database plugins and easy-to-use GUI classes such as C# and Java are being highly considered. At most, the group has communicated several options for programming languages, but nothing has solidified in terms of specifics.

# Project Concerns

Overall, we have a solid understanding of how Lynne requests this project be completed. The only vagueness we encountered while reading through Lynne’s requirements document was how there is no specified methods to do certain processes. More specifically, some processes stated were explained but not given a specified method of implementation. For example, “Providing option to preview expired databases list” or “provide option to add history note to a given database entry” are both requirements that are under our own interpretation. In other words, we assume that we have permission to implement certain functionalities how we want if they are not stated specifically enough.

Questions:

(For Lynne) On page 11 on the requirements document, number 3 and number 5 are very similar. They both start with “Provide ability to add project accounts on…” Number 3 specifies “.. to the application” and number 5 specifies “… to the server”. What is the difference?