Criterion A: Planning

Project (68 Words):

My client is Ms. Allen, a science teacher at Ingraham who is heavily involved with conservation efforts in the Seattle area. She works with non-profits to collect data about the Puget Sound watershed, but has the problem that all of the data is stored separately. My project aims to ameliorate this problem by creating a collaborative database that she can use to both upload data and analyze patterns.

Rationale (89 Words):

I chose to use an SQL database because I just learned how to use it, and it seems as though it would be a more efficient and scalable method than simply storing data in a text file. It also allows for the poject to be uploaded to the internet, if that is needed in the future. I also chose to add a dataImporter program, as more data is likely to be collected in the future, and this program will allow the client to add that to the program's database.

Success Criteria (27 Words)

- Able to upload data
- Able to access data in a table form
- Able to analyze data using statistics (5-var, mean, mode, and standard deviation)
- Uses SQL database