On Wednesday 26, we had our first milestone presentation. The presentation went well. At the presentation, I was asked to explain why I am using Excel as a database software and not Matlab?

As I explained, the reason we are using Excel is because it allows easy access to the database, and we can easily read the values, manipulate/update them as we desire. And it serves as a decent choice for presentation purposes. I also explained that I am debating right now whether to choose Matlab for the database.

1) Matlab can definitely handle these values and construct our database in a useful "column and rows" manner.
2) Matlab is a software that is designed to handle matrices.
3) Matlab has all the formulas to find minimum Euclidean distances and display results.

With these arguments in mind, it may seem a clear choice to choose Matlab, and forget about Excel. But I still want to keep Excel as a second choice for the following reasons.

1) Choosing Matlab will require more coding, and that may slow down our process more than it is now.
2) We will have to know exactly at which part of the matrix, a certain value is located. For instance if the least Euclidean distance is at coordinates 4, 7, 9. Than we have to know that this value corresponds to those coordinates; this may make the database a little tedious, and harder to manipulate or present in our next milestone meeting.

**Future Goals for Week Oct 1 - Oct 7**

1) Develop all or significant part of the Matlab database code, and see practically if it will be faster, and easier than Excel.
2) Develop the hardware structure that is needed to start building the database.
3) Build a small database of about 30-40 values and see how codes are running.