

CSCE 155N Final Project report

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There were many difficulties in coding. First of all, it was difficult to find the right way to express using the GUI. I referred to the coding that the professor gave me examples in class, and I thought it would be enough to use in fields related to my major.

My code is to visualize the weather using the GUI. It is coded for use by simply renaming the desired file in the code.

It also specifies a case so that the graph can be viewed on a monthly basis.

It also includes an expression that allows temperature to be converted from unit to unit.

If I relate this code to my major, chemical engineering, I won't be able to fully apply it, but if I apply it, I will be able to code it just right for my major.

The reaction coefficient between chemical elements is theoretically determined. It would be easier to visualize the theoretical response coefficients and the response coefficients derived based on experimental results.

It was also thought that coding would be possible to automatically convert the constant of the expression depending on the unit of temperature used.

This coding will be of great help, especially in the process of visualizing and editing data easily, in engineering, which requires handling large amounts of experimental data.

Discussion

Topic: ways I might use GUIs in the future

If I major in computer science, I want to develop the GUI further. According to the history of computer development, human computer usage has increased significantly with each development of the GUI.

Currently, a limited method of entering information or selecting a GUI using a keyboard, mouse, or touchpad is dominant.

I think a realistic future GUI is an information input device using sensors. Without external physical devices, I can only do the work of the computer I want with one hand.

It would be easy to understand if you imagine the hologram in Iron Man. I think this GUI will make computers or smartphones much more accessible.

Also, it can prevent diseases such as carpal tunnel syndrome caused by using external devices, and it will be possible to use a much more intuitive GUI.

If wearable devices or hologram technologies are combined in the future, the market size is expected to be huge.