Ru Zhao Pesudo Code:

I am responsible for the input where users input the desired function/physics model. I will make many states to identify different windows. For example, state 0 represents the main menu, where clients choose which subject to learn. And there may be a simple animation on the main menu. State 2 stands for a panel where user select by mouse which mathematical or physical function to work on. I am doing this by splitting each function representative into different area and getting mouse event to examine. If user successfully select one, I will prompt a new window, which is state 3, to let the user input different parameters of the selected function. By doing this, I will receive a position parameter from my teammates indicating where each function’s parameter should be. I will let the mouse cursor move to the place when the user click the right button. Then I let the user input the value of that parameter. The same will happen to all parameters of that function. And I will try to let the user modify previously inputed parameter to get different figure.

By clicking different function area, I create a new class of that function and assign the parameters into different classes where they belong. That class would have many other functions to express different outcomes.

To conclude, I let the user input and decide which part of our code to use, and generate corresponding class variables. We will mainly use Mac OS platform for our project. And I am responsible for the integrating part of the code.