**1st Software Engineering Homework**

1. **product vision**

Through the design method of graphical user interface, a small calculator system is designed to realize the basic functions of the calculator

1. **Two scenarios.**
2. Jackson’s scenario: using the calculator for study

Jackson is an 8 years old boy, a primary school student in Guangdong. He uses the calculator to calculate the mathematical problem he had done before in order to know whether his answers are right.

1. Mary’s scenario: using the calculator for accounts

Mary is 32, a boss of a clothing store. Every night she must check the bill of the whole day. She uses the calculator to calculate the total profit from sold clothes today.

1. **Features of your software that are identified from the product vision and scenarios.**

The function of the simple calculator is only limited to the calculation of +, -, \*, / of the real number, but the continuous calculation function should be considered. The program should consist of two parts: application interface and event handling.