Nowadays, in many companies, great management of internal data as well as customer data is one of the problems needed to be considered. To manage this data, the company has to invest at the beginning, and then they calculate many expenses such as expenses for hardware, software, network, administrator, service, maintenance and so on. In addition, they also consider the chances to expand and upgrade equipments; they have to control the security together with preparedness of data.

This problem helps us recognize that if we have a reliable place for companies to administer effectively those data; they will no longer care about the substructure but concentrate properly on their business. As a result, the profit of these companies will be increased day by day.

This is the origin of the word “cloud computing”.

However, the word “cloud computing” also originate in the idea of upload everything such as files, software or algorithm … to the internet. Instead of PC and server, the company can save their data or software in virtual servers centralized in the internet. These virtual servers will provide companies with services to help them manage their data easier. Thus, they just have to pay for amount of services they used without concern about facilities or technology. This tendency will be useful for many medium and small companies which don’t have good enough facilities and server to store and manage data successfully.

Therefore, what is the “cloud computing”? How can it help companies and what are its special features? Why do IT experts consider that “cloud computing” is modern technique and the 3rd revolution of information technology after the Internet Revolution and Computer Revolution of the 80’s?

To answer all of these questions as well as establish a demonstrated application, our group decided to choose the “cloud computing and online contact book application” and as the subject for our graduation paper.