**CHAPTER 1**

**INTRODUCTION**

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Information technology is becoming pervasive in almost all aspects of life and an inevitable key success factor in life. Everyone can create, communicate and collaborate faster, more efficient and reliable than ever before. It has made everything so much easy than before. Almost every single manual thing is now running on computers and producing better, consistent and reliable result than before. So keeping that in mind, I have developed a system that could also help everyone and it could really affect normal people lives. I have created a User Diary system in PHP. The system would be just like a register. In a blank register you write your data by making records and writing some things in respective to a particular record. My system is the same, the only difference is that it’s on computer and it’s electronic. There are many perks of being able to store data electronically rather than manual. And reason that I’ve kept it so simple is, so that people would not hesitate in switching to electronic storage unless and until they feel comfortable with it. And in order to make them feel comfortable the system is pretty simple. I’ve provided a daily diary functionality, in which user can create new diaries and view old ones. To make a system more appealable I have added Chat System. So, users can be social as well.

**Background Studies**

In the late 1960’s, the computer scientist John McCarthy once brought the concept of utility computing into the technology world, predicting that the life cycle of technology will not only stick as tangible products. As a matter of fact, he took the conceptual leap to predict that computer resources will be provided like nowadays water and electricity, as a service.

With the concept of virtualization, servers could be utilized more efficiently, while applications and IT infrastructure are independent allowing servers to be easily shared bymany applications running virtually anywhere. That is as long as the application that is

being used is virtualized.

Virtualizing the application involves packaging the application bits with everything it needs to run, that could include database, middleware and operating system. This self-contained unit of virtualized application can run anywhere. With the premise that it can run anywhere it does not need to run in the datacenter or in the application provider’s datacenter, it can run in the cloud. The cloud is a computing service that charges based only on the amount of computing resources that are used. This pay-per-use feature is one of the big marks of today'scloud computing and one of the things that sets it apart from traditional IT services.

Going back to evaluate whether or not cloudcapabilities are worth the investment, it is now assumed that the focus is first of all not about cloud computing but about the traditional way of IT outsourcing as such.

It is now very interesting to go back one step in time before cloud computing, find literature about evaluating traditional IT outsourcing solutions. It is important to understand the theories, methodologies and concepts that play a role in the traditional IT outsourcing’s decision making process. After that it can be discovered whether the evaluation of cloud computing solutions will be different or not.