UNIVERSITY OF ESWATINI

FACULTY OF SCIENCE AND ENGENEERING

ASSIGNMENT 1   CSC 392

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Role of a system developer and architect

System development is the process of defining, designing, testing and implementing a new software application or program. This can include the internal development of customise systems and the creation of database systems. It also includes the acquisition of third party developed software. The system software is developed by a system developer. There are various duties that a system developer does when developing a system software.

A system developer develops and implement applications and programs for parts of IT systems that are hidden from users but that keep organisations running smoothly. These duties include discussing clients and colleagues designing and building web applications using a range of framework and scripting languages testing projects and responding to any problems or bugs revealed managing projects through their lifecycle.

A system developer is also responsible for developing documentation and training support to a new applications reporting on functionality of web applications and devising plans for improvement. They also design the different way in which their customers want their software to be like. It is our duty as system developers to fulfil the customer needs through applications of improvement on the system

A system developer and architect is also responsible for rolling out new or updated software. They draw upon broad and deep technical knowledge to map out the overall design and direction of the project while overseeing technical standards.

Architect plans what a developer produces. IT projects managers combines the architecture and system developers in order to manage a project from the early planning stage all the way through implementation. Also architect provides a wealth of knowledge. This is because of the years they spent in education. They have been instructed to in the areas of design and construction.

In addition, architect designs for customers. An architect design specifically to meet the need and takes into account probable needs for stages of your life. This means that after designing for the customer, the architect is then responsible to make sure that he fulfils the desires of the customer and it is my duty as an architect to make sure that all the designed stages are properly done.

Also, architect offers a peace of mind and insurance. This is because as an architect you have to carry professional liability insurance. If you choose to be a non-insured designer and you run into problems this may results to incur out-of-pocket expenses to deal with those problem.

Architect also provides project administration. This is because as an architect, you need to act as your proponent during the implementation of what you have designed by making sure that the intent of the plans and specifications are followed and reviewing draw requests and change orders. Also you have to conducts sites revisit, manage everything and coordinating some of the products orders and also reviews finished installations. As an architect you have to take numerous responsibilities so that your customers and the management can be happy.

An architect must open lines of communication. This is because an architect is more or less of a translator between the management and the system developer. Most of the times a system developer gets lost in architect's plan which may results to information to get lost or overlooked hence the architect is responsible for bridging that. Also he become responsible for what the client wants.