t a**SOFTWARE DESIGNER**

Software design is the process of defining solutions to one or more sets of problems and a software designer is responsible for solving those problems and planning for a software solution. They are responsible for detecting bugs, debugging, restructuring and changing the appearance or the functionality of the software.

In a project, a software designer makes it easy to track errors and also enable their team members to easily maintain the project, which can be achieved by developing and improving computer programs, analyzing systems and creating or fixing software. Another role of a software designer is to design applications and also communicate with clients on software usability and maintenance, which can improve performance.

A designer’s role may include conducting needs analyses which can be researching competitors and other applications to integrate with or new tools to use. They also allocate system resources, manage accounts and document all aspects of software for ongoing maintenance. Software designers are problem solvers so they need to develop and test cases because what good is the software you designed if no one wants to use it. After that, they need to review those test results and then make adjustments, to meet requirements and effective communication is a very important quality of a designer as they need to collaborate with other IT specialists or technicians to deliver software solutions.

In addition, one of a designer’s role is the design of user interface which is creating the interface where users are going to interact with the software, these user interfaces can be created on web base applications like HTML and JavaScript. They can also develop subsystem test plans, procedures and processes, to design and develop coding, code reviews and release management.

Having a good software designer means that the project will succeed. The role of a software designer is to provide sufficient detailed data and information about the system and its system elements and this enables the implementation consistent with architectural entities as defined in models and views of the system architecture.

Lastly, software designers design PCI from scratch and create an API for reuse and they also design a help system for the enterprise. They are not only interested in their part of the job but they want to know how the software they are working on will impact the end user and also pay attention to how their decisions affect the whole team. Software designers meet clients or analysts to discuss their needs, Basically, having a good software designer means that the project will succeed because they are responsible for creating hardware configurations for the test machines and also seek quotes from various vendors existing technological capabilities and also draw up conceptual designs to meet requirements.