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Principles Behind Manifesto of Agile Software Development by Jon

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The group of software improvement methods is based on incremental development projects, known as agile software development. It is a framework and combination of planning, development and execution of the services. The objective of effective development is to minimize risks in development process. It includes the development of solutions and requirements throughout team-work procedure. In addition, it promotes interactions through development cycle with proper planning, evolution, delivery and flexibility. There are many essential factors necessary for development teams such as analysis, system designing, information gathering, implementation and maintenance of software.

The agile development methods can reduce the risks in an iterative product development methodology. The project management principles behind the agile manifesto are as follows:

Customer satisfaction in collaboration: It is one of the highest priorities to satisfy customers through fast and constant delivery of supportive software. The requirement analysis is an essential factor for development of software. It is not possible to collect completely all changing requirements at the beginning of the development cycle. Thus, constant involvement of customer or stakeholder is very important.

Self-organization and motivation: It is a second very crucial factor in agile development process. The motivated workers are better to handle all responsibilities. They need full support, good environment and trust to complete work. The improvement in interactions including pair programming and co-location is necessary for successful development procedure. The teamwork needs face-to-face conversation to send information.

Essential use of working software: The frequently delivery of working software is a very useful measure of development progress. It is very important to present documents to clients in meetings. Nowadays, many companies are looking for the best web solutions for software. It is beneficial to choose right software for effective solutions.

Quick responses to change: Agile development process is mostly focused on quick responses to change. It welcomes radical changes in the software requirements at each stage of development. The continuous development promotes close collaboration between the developer and business vendors.

Constant attention on design and technical excellence: The complete procedure is mainly give attention on designing and technical excellence of software. With the approach of shorter time scale of deliveries, it encourages popularity and simplicity.

A software development company requires the agile development process to support sustainable development. The process occurs continuously with short increments in iterative cycles. The face-to-face discussion is the best between development team and stakeholders. It helps in the development of greater transparency between developers and clients. On the other hand, development of software needs quality assurance including bug reports, test plan and documentation. Agile development process is playing a significant role for effective execution of work at regular intervals.

Thus, it is necessary to build projects in the order of motivated individuals. The project management requires leadership quality to encouragement of teamwork, frequent inspection and fulfillment of

customer needs. Today, many companies are striving to become more agile for effective development. The adoption of right method will provide the best scope for project management. Each stage of the management represents an understanding of specific part of functionality. Besides, the active collaboration between service provider and customer helps the project owner to better understand requirements.

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