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Assignment 7: Write about Agile

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Agile Software Development

Agile software development is an approach to software development under which requirements and solutions evolve through the collaborative effort of self-organizing and cross-functional teams and their customers. Agile development methodologies are focus on short cycles that produce a complete software product, and highly adaptable in dynamic environments. Some of the strengths of agile methodologies are fast delivery of results, and works well in projects with undefined or changing requirements. Agile manifesto is individuals and interactions, working software, customer collaboration, and responding to change. Agile projects are three times as successful then waterfall. Some of the weaknesses of agile are requires discipline, significant user involvement is essential, and works best in smaller projects.

Based on 2011 study of projects in past decade

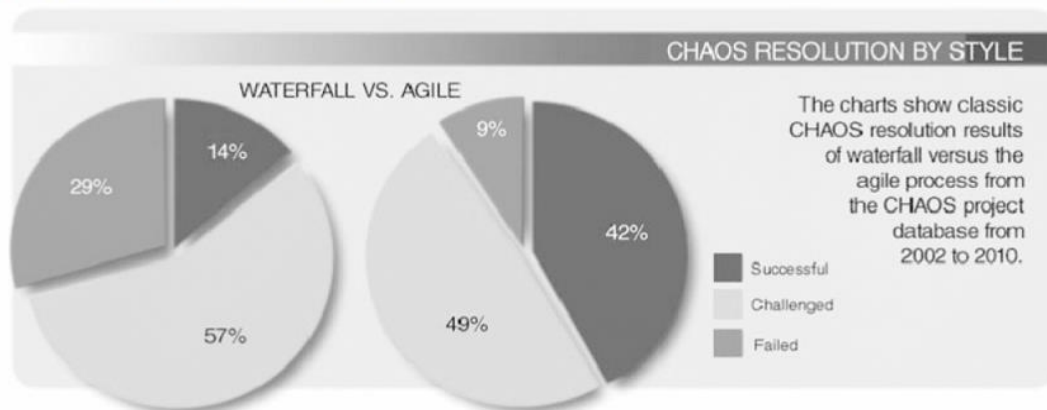
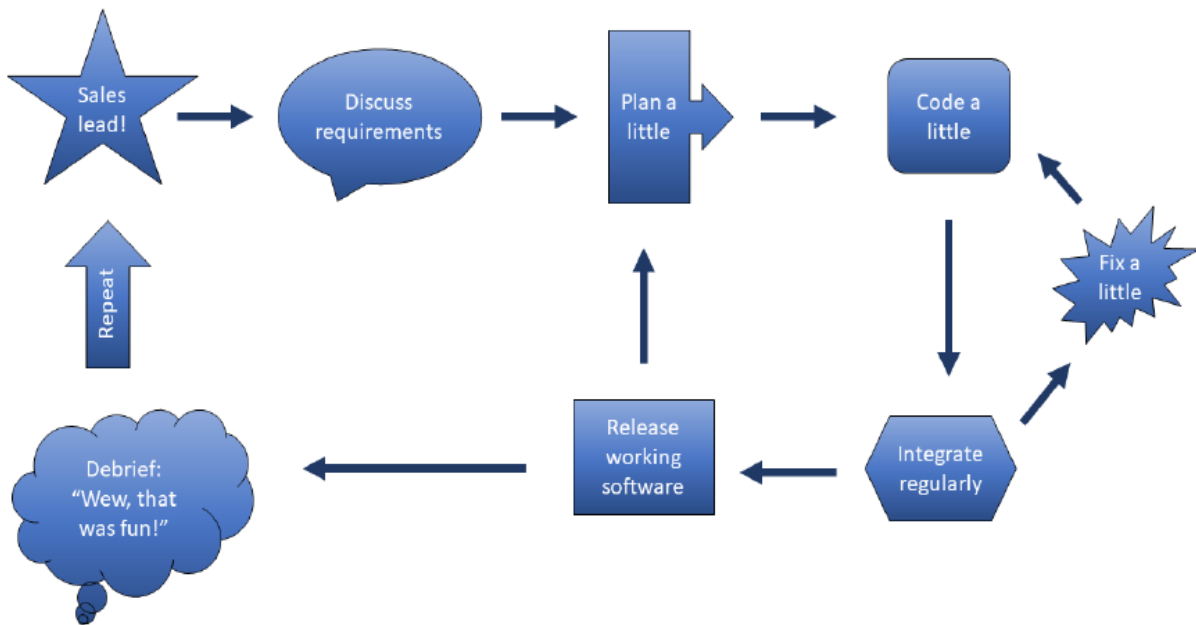


Figure 1.2 Agile Projects Are 3 times as Successful

Rough sketch of an agile process



Sprint Retrospective

Sprint retrospective is a meeting facilitated the scrum master at which the team discusses the just-concluded sprint and determines what could be change that might make the next sprint more productive. The sprint retrospective is an important mechanism that allows a team to continuously evolve and improve throughout the life of a project. The meeting are about 2 hours (2 weeks sprint) or 4 hours (4 weeks sprint).