A Hybrid Agile model using SCRUM and Feature Driven Development

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Abstract

Migration is considered as crucial task especially in case of distributed projects. Banking domain, which involves sensitive business operations, is one such example which involves large volumes of data and transactions. Banking process is as old as history of human transactions, technological migration is necessary to cope up with the latest advancements to provide better service to the customers. For such a task, a single project management method deployment may not be strategically efficient, especially in terms of maintaining schedule and quality. For instance SCRUM and Feature Driven Development (FDD) are two well-known and popular project management methods with their own advantages and shortcomings. SCRUM, being tight with schedules, often quality may be compromised whereas FDD being quality rich, could overrun project time-line. In this paper for the first time, SCR-FDD, a purposeful amalgamation of SCRUM and FDD methodologies is proposed. The proposed SCR-FDD is evaluated against SCRUM and FDD within a real time project and the results show that proposed SCR-FDD is ten percent more efficient in terms of quality and customer satisfaction compared to its nearest counterpart, SCRUM.
References


7. A. Cockburn, “Writing effective use cases, the crystal collection for software professionals,” 2000.


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