

RUP vs SCRUM/XP (Extreme Programing) - Executive Study

Company is currently using Rational Unified Process as the development mythology which is predictive on each iteration. RUP uses six best practices and four phases to provide planned releases. In this report we will have a look at the other development models like SCRUM and Extreme programing (XP), we will examine the advantages and cons of using different development models and we will also conclude the better model to be adopted for upcoming releases.

- RUP process framework provides clean implementation and reusability concepts which make product integration simple. In spite of these advantages, implementing any cutting edge technology will lose the concept of reusability. Even though RUP provides clean implementation it is hard to implement.
- RUP is purely process oriented and involves lots of documentations and approval processes.
- Many UML standards recommend by RUP is better suited for a large teams of developers.
- SCRUM and XP are adaptive models best suited for smaller teams as these models encourage developers to work together.
- SCRUM follows sprints and daily scrums, sprint will motivate individuals to work towards results and a daily scrum meeting of 15 minutes enables developers to work in correct path.
- XP is better suited for a small team which follows flat management where everyone works together. Extreme Programing encourages code review and unit testing which will make individuals effective and primary issues in the product will be eliminated.

Thus from the analysis, the best practice for our team will be either SCRUM or XP. Principal reason for changing models will be that SCRUM/XP are best adopted for the small teams. Since most of the online credit card transactions will be web based, out of box development is the primary goal of web technology which is not supported in RUP. Using SCRUM/XP will make individuals focused and motivated towards the result, working closely together will allow other people to cover in the absence of a developer. Since the product is already in the development phase, basic frame work will be set already and there won't be much change in the architecture. In the even that a change is required SCRUM will act accordingly. Considering all this I would suggest to change from RUP to SCRUM from the next releases.

References:

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[5].<http://www.chiron-solutions.com/chiron-professional-journal/2010/12/20/what-is-the-difference-between-rup-and-scrum-methodologies/>