

Abstract

UK based GSM mobile value-added services company focused on wireless technology to create business ideas that are both innovative and profitable.

The client was planning to set up a marketplace for its products for its customers and partners. They were looking at a software development partner who would not only help them to scale up the product development project but also provide them the confidence in but also provide them the confidence in requirements, translate these into technical requirements and quick delivery of limited features in a phased manner.

They engaged KPIT Cummins to develop, test and deliver the B2C application in the domain of M-commerce and M-banking.

Challenges

The customer's need was :

- Periodic verification of Product Suitability
- Reduce Time to Market
- Transparency of Project progress

The total solution comprised of technology as well as complicated banking & retail system implementation requirements. The project required parallel development and testing efforts with quality assurance check, at all the sub-phases, to reduce time-to-market while ensuring high software quality.

Agile Development Application for interface with the market

Solution

We suggested leveraging the power of a technology outsourcing relationship to the client. The solution comprised of a global delivery approach providing skilled and experienced engineers to supplement efforts of core project teams. This was achieved through project execution via a combination of onsite & offshore activities and setting up of an Offshore Development Centre (ODC).

The entire project was initially split up onto two significant phases: Initial preparation phase & the software factory phase.

The Initial *preparation phase* consisted of Business analysis, System architecture, prototype development & verification.

The *Software factory concept* was designed keeping in mind the extreme programming methodology. The process of software development consisted of the following sub phases -

- Requirement Detailing, Design, and Development
- Test Suit Development, Verification and Testing

Value

- Manage and control development work
- Control the chaos of conflicting interests and needs.
- Improve communications and maximize co-operation
- Maximize productivity

Methodologies

- Mix of Extreme Programming + RUP
- Continuous Integration
- Short Release Cycles
- Work Packet based module delivery

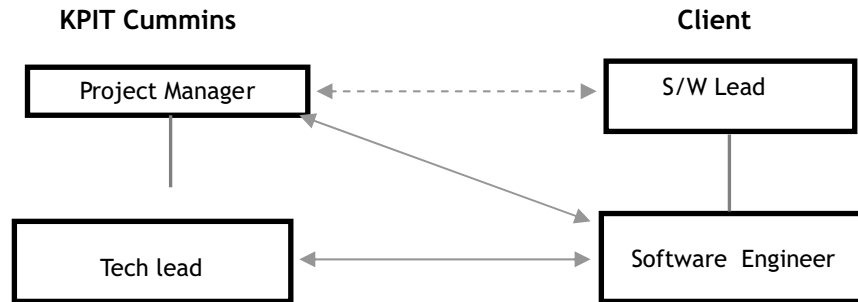
Tools & Technology mix

- J2EE
- Junit , Cactus 1.3, Clover, Canoo
- Cronacle - Scheduler/ Batch jobs
- Checkstyle, PMD, AspectJ
- Oracle Warehouse Builder, Business Objects
- Rational Rose

Engagement Structure

Engagement duration: 1.5 years

Size of the Project : 90 Person Years



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