

IJI Process template: **Agile Use cases for Microsoft** **Visual Studio 2010**

The power to perform use case driven, iterative development, maximizing the visual modelling and reporting capabilities of Microsoft's most advanced developer toolkit.

The Ivar Jacobson International Agile Use case process template is a ready to use way of working for agile Use case driven development. It provides excellent support for those customers who prefer the structure of the unified process but want to adapt an agile way of working integrated with the Microsoft development environment, Visual Studio 2010. The template provides support for IJI's most widely used core practices: Use Case, Iterative, and Unified Process Lifecycle, that together form a lightweight software development lifecycle.

THE SMARTER WAY



Ivar Jacobson International's Essential Practices

IJI's Essential Practices can be used to build a new generation of software development processes that are agile, iterative, lightweight and suitable for use on most kinds of projects. It takes a fresh and innovative approach to presenting and delivering. Each practice provides a minimal set of actions in a way that is attractive, easy-to-use and very flexible. IJI's Essential Practices are offered with a "smart" framework called EssWork that allows teams to develop, browse and execute practices.

Ivar Jacobson International's Agile Use Case Template

The Agile Use case template is a seamless extension/variation of the MSF Agile template and is fully compatible with the MSF agile template.

The support includes:

- Process Guidance –EssWork adapted for VisualStudio – describing the "how to"
- Work Items to support agile and iterative use case driven development
- Document structure and templates in SharePoint site
- Reports on the same level as Microsoft templates
- Generation of traditional use case artifacts such use case model survey, and use case specification
- Project dashboard based on top level alpha states, describing the state of the project based on the milestones in the Unified Process

New work item types – Deploy agile use cases

In the Agile Use case template we have added a number of new work item types in order to effectively deploy a traditional, yet agile way of working with use cases in Visual Studio. These new work items are:

- **Use case** – Functional requirements
- **Flow** – Detailed information about the use case described in bullets
- **Supplementary requirement** – non functional requirements, such as security, usability, performance etc.
- **Use case module** - Manageable piece of work that can be targeted in one iteration. These have a similar role as a User story in Scrum, but Use case modules provide more context and background information
- **Lifecycle** – defines milestones and what should be achieved for each milestone in the project

Process guidance – Step-by-Step Assistance

The process is described as a set of cards containing the elements that you need for development; such as: things to do, things to produce and competencies.

Each of the cards has a linked guideline; this provides further essential guidance to the users of the process. The guidelines are short documents presenting the essential information needed to action the cards.

These cards and guidelines are accessible through links from within Visual Studio.





Reports – Generate documents in Microsoft Word

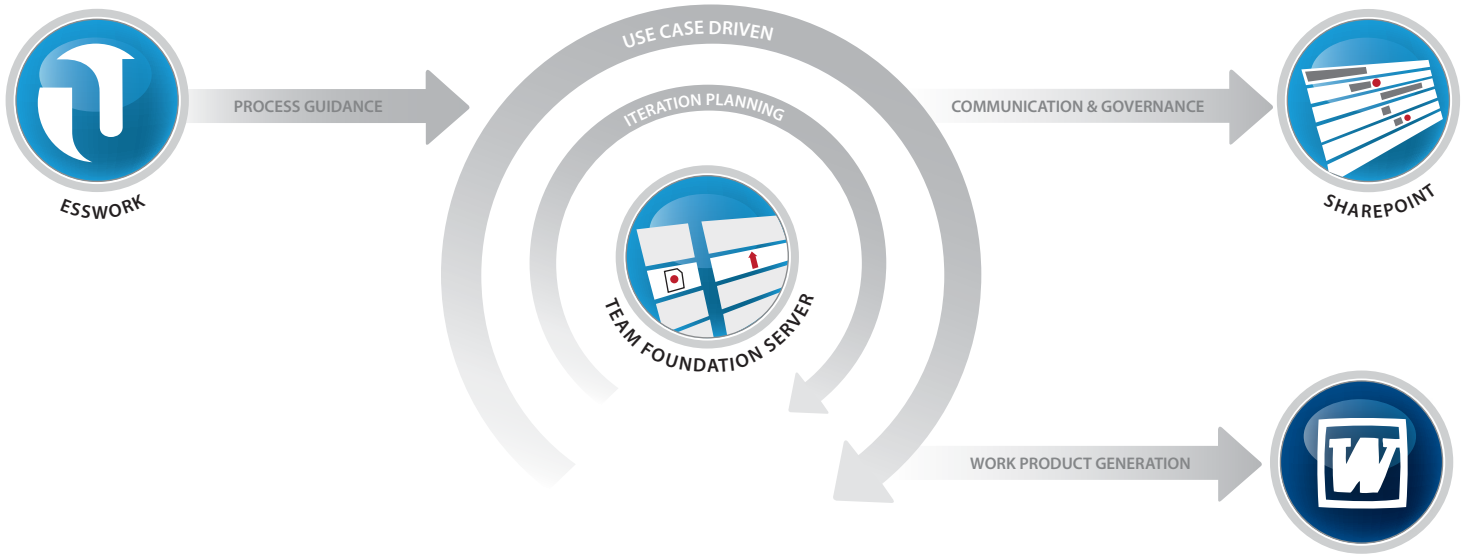
Most projects using Use cases for requirement elicitation use Microsoft Word as the primary tool to capture the requirements. In order to make it convenient for the teams to have the requirements in that format there is a Word add-in that can generate documents and reports such as Use case specification, Use case model survey and Supplementary specification. This is very helpful also from a review perspective for the stakeholders that do not have Visual Studio.

Project dashboard – Easily communicate progress throughout the project lifecycle

In the Agile Use case template there is a dashboard in the Project Portal, referred to as the Alpha dashboard, that provides a graphical representation of the status of the project.

The Alphas represent key areas in the software development project such as “business case”, requirements, backlog and system under development etc. For each one of these alphas there are several states defined which are linked to milestones. The milestones allow both project members and outside stakeholders to easily communicate and follow the progress throughout the project.

The dashboard also acts as a compass for the development team to ensure that they focus on the right things at the right time.



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About Ivar Jacobson International

Ivar Jacobson International is a global services company that helps software organizations transform and improve the way in which they develop software solutions as well as guide them in meeting the expectations of the business. Our consultants provide an environment of experiential learning to develop the right competency levels amongst all roles and functions by becoming an intricate coach and mentor to the entire team. We have a framework that we adapt to effectively define and communicate business and technical expectations across the organization as well as create collective responsibility by teams and individuals for project outcomes. We introduce a proven practice driven approach that is goal oriented, incremental and measurable and is highly successful with either an existing software project or the implementation of new systems. We support our customer engagements with a rich set of technology assets inclusive of training materials, practice guides, and tooling.

Get started today!

To learn more about Ivar Jacobson International, Essential Practices, EssWork and Agile Use cases for Microsoft Visual Studio 2010 contact your local representative today or visit www.ivarjacobson.com

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