



Essentials of Agile Modeling

Level: Beginner - Intermediate

Prerequisites: Experience delivering software

Audience: Software delivery team (Product Owner, Architects, Developers, Project Leads, Testers, and so on)

Approach: Lecture, Discussions, Workshop

Length: 4 Hours

Workshop Description

Successfully delivering software is a challenge. How can we be sure that we truly have the correct requirements? How can we handle changing requirements? How do we help all members of the development team to understand what is being built? How can we see the many pieces that need to come together in the solution and how they fit together? As a team we need to be able to understand requirements, possible solutions and be able to drive solution creation.

Models help us to simplify problems, gain a shared understanding of solutions and abstract away unnecessary details. Details that could slow us down and lead to non-optimal solutions.

In this workshop, we provide you with the essential knowledge needed to enhance the agility of your modeling efforts. At the completion of this session, attendees will be able to:

1. Explain the alignment between Agile and Agile Modeling.
2. Detail the challenges we face when communicating.
3. Explain the importance of visual communication.
4. Explain the types of questions that we can answer with diagrams and the steps we can use to create the right diagrams.
5. Describe and apply the Agile Modeling practices.

At the conclusion of this workshop, participants are able to use models to boost agility and deliver higher quality software solutions.

Agenda

- Agile Development
 - Define Agile
 - Agile Values, Principles and Practices
 - Exercise #1: Agile and Your Development Process
- Communication
 - Communication Mechanisms
 - Communication Challenges
 - Working with Wikis
 - Exercise #2: Communication in Agile Development
- Visual Communication
 - Importance of Visual Communication

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- Tools - from simple to sophisticated
- Solving Problems with Pictures
- Visual Thinking Process
- Adding Clarity and Focus
- Exercise #3: Visual Communication Pair-modeling
- Agile Modeling
 - Define and explain the reasons for Modeling
 - Agile Modeling Values, Principles and Practices
 - Informal and Formal Modeling
 - Exercise #4: Pair-modeling with Agile Modeling Values, Principles and Practices
- Summary, Resources, Q&A

Related Workshops

For students interested in continued learning in this field, we suggest taking:

- Agile Requirements with JIRA and GreenHopper
- Agile Planning with JIRA and GreenHopper
- Scaling Agile
- Custom workshop comprised of a selection of a la carte modules

About The Emphasys Group

The Emphasys Group brings a unique and exceptional blend of experience and expertise focused on infusing reuse, automation and agile best practices into software delivery organizations.

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