

# Training



## UML for Managers (1 Day)

The key to success in IT and business projects is **effective communication**. Building a shared understanding requires that all project stakeholders **speak the same language**.

### A Picture Is Worth 1000 Lines of Code

Visual Languages enable project stakeholders to express complex and subtle ideas in a way that is much **easier to digest** than wordy written specifications. Visual Languages make communication and understanding **quicker and easier**, and the effective use of Visual Models can greatly improve a project's chances of success.

### Many Problems. One Visual Language.

The industry-standard **Unified Modeling Language** can be used to describe many aspects of your business and the systems within it. UML can be applied **at all levels**, from your corporate strategy right down to the design of your databases. This makes it possible to unify different views of your business and to **share and reuse knowledge** more effectively. It also helps you to **learn more about your business** and how it could be improved.

### Are You Ready to Parlez UML?

**UML for Managers** introduces business decision makers and IT strategists to the key aspects of Visual Modeling using UML. It highlights areas where Visual Modeling could be applied to your business, and helps you to build a practical and realistic roadmap for adopting UML across your enterprise.

#### Who Should Attend?

Business decision makers and senior project stakeholders, including IT managers, project and program managers and team leaders.

#### How Much Does It Cost?

£1,495 for up to 12 people

*\* Prices do not include expenses or VAT*

#### When & Where?

At your premises by arrangement

#### How Do I Book?

Email [training@parlezuml.com](mailto:training@parlezuml.com) or call +44 208 715 2645



## What Will I Learn?

**UML for Managers** introduces the 9 UML diagram types and explains how they can be applied to a variety of business and IT problems. It also looks ahead to the possibility of computer software being generated entirely from UML models, and gives practical advice on adopting the UML in your business. In the afternoon workshop, you will begin to build your strategy for adopting and applying UML in your own organisation.

- Visual Models & Why We Need Them

- What Can We Model?

- Things & their attributes
- Relationships between things
- Rules that apply to things
- Workflows & processes
- Interactions & collaborations between things

- Introducing the UML

- Modeling things, attributes & relationships
  - Object diagrams
  - Class diagrams
- Modeling workflows & processes
  - Activity diagrams
  - State Transition diagrams
- Modeling interactions & collaborations
  - Sequence diagrams
  - Collaboration diagrams
- Modeling rules
  - Model constraints & the Object Constraint Language
- Modeling physical systems
  - Component diagrams
  - Deployment diagrams
- Modeling system functionality
  - Use case diagrams
- Managing models
  - Packages
- Extending the UML
  - UML profiles

- Applying UML

- Software & Systems Analysis & Design
- Business Modeling
  - UML extensions for Business Modeling
- Enterprise Architecture
  - The Zachman Framework
  - Requirements Traceability
- Web Services & Service Oriented Architecture
  - The need for platform-independent models in SOA
  - Modeling XML schemas in UML
  - UML vs. XML – beyond the hype
- From Pictures to Working Systems : An Overview of Model-driven Development Processes
  - The Unified Software Development Process (or “Rational Unified Process”)
  - Agile Modeling
  - Syntropy & Catalysis
  - Model-driven Architecture
    - Models as executable specifications
    - The MDA process
      - Platform-independent Models
      - Platform-specific Models & UML Profiles
      - Inside MDA
    - Preparing for MDA
    - MDA vs. Agile Methods – beyond the hype
- Adopting UML : A Practical Guide
  - Building your UML Roadmap