UML in a Nutshell

ESSENTIAL PRACTICES

- **T**his training course provides software engineers with a comprehensive introduction to the Unified Modeling Language. The UML provides the key communication tools for software development, catering for the customer/user, architect, software engineer and Operations/Support Engineers.

- The technical explanation of the UML notation is combined with examples, exercises and 'in practice' guidelines.

- This course is a formal training session designed for qualified software engineers. Some understanding of basic OO principles is assumed (typically 1+ years OO programming)

- The course is a total of one-day duration and can be tailored or combined with other OO topics available to meet specific requirements.

OO Fundamentals:

- Evolution of OO
- The Object and the Class
- Key OO terminology
- Focus of OO development

UML in Analysis:

- Activity Diagram 🌎
- Use Case Diagram 🌎 ✋
- Domain Object Models 🌎
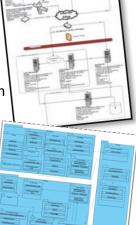
UML in Static Design:

- Class Diagram 🌎 ✋
- Object Diagram
- Composite Structure Diagram
- Package Diagram 🌎

UML in Dynamic Design:

- Sequence Diagram ✋
- Communication Diagram
- Interaction Overview Diagram
- Timing Diagram
- State Machine Diagram ✋
- Activity Diagram (revisited)

UML in Physical Design:

- Component Diagram 🌎
- Deployment Diagram 🌎

Practical Sessions:

🌎 Real world examples are reviewed throughout the course.

✋ Hands-on workshop exercises are undertaken for these topics to gain a more practical appreciation

"Concise intro to UML, heaps of examples" Snr SE/Team Lead – MYOB

"Excellent content & well presented. Very valuable to company as a whole & for the individuals personal development" Chris Pinfold, Snr Software Engineer - Yambay

Strategic Systems (WA) PTY LTD