Requirements capture is about getting as accurate a picture as possible of what the users want, before investing overmuch effort in design. Despite RAD techniques, there can still be a substantial delay between requirement and first delivery; and despite joint application development, it's still possible for substantial questions about exactly what the software should do to turn up unpleasantly late in the development process.

This tutorial will explore techniques for exposing gaps and inconsistencies in requirements models, using high-precision UML to throw up important questions about requirements that might otherwise have been glossed over or understood differently by all concerned.

Many texts on UML say little about how the different diagrams should cohere with each other. In this tutorial, we will exercise a requirements analysis cycle in which cross-checks between the different parts of a model tell you when your requirements are consistent and inclusive.

This process, developed as part of the Catalysis method, has proved very effective in a variety of fields.