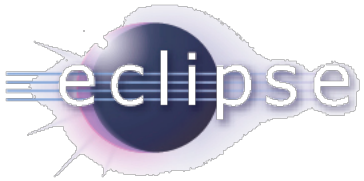
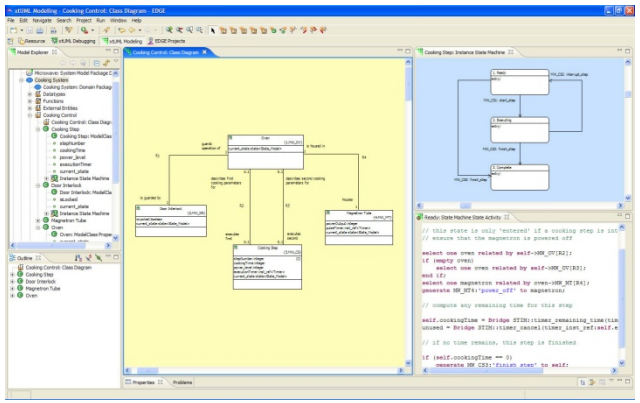
Framework

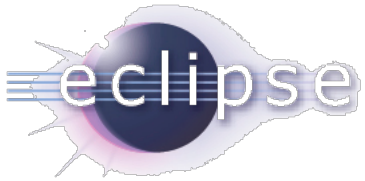
- **Eclipse framework**
  - **Uses Eclipse paradigm for consistency with other tools**
- **Collection of Plug-ins, packaged as Eclipse extension**
  - **Each release easily drops into existing Eclipse installation**
- **Extension points**
  - **Integrate with your own tools or those of other vendors**
  - **Extend the capabilities of BP**



Eclipse terminology

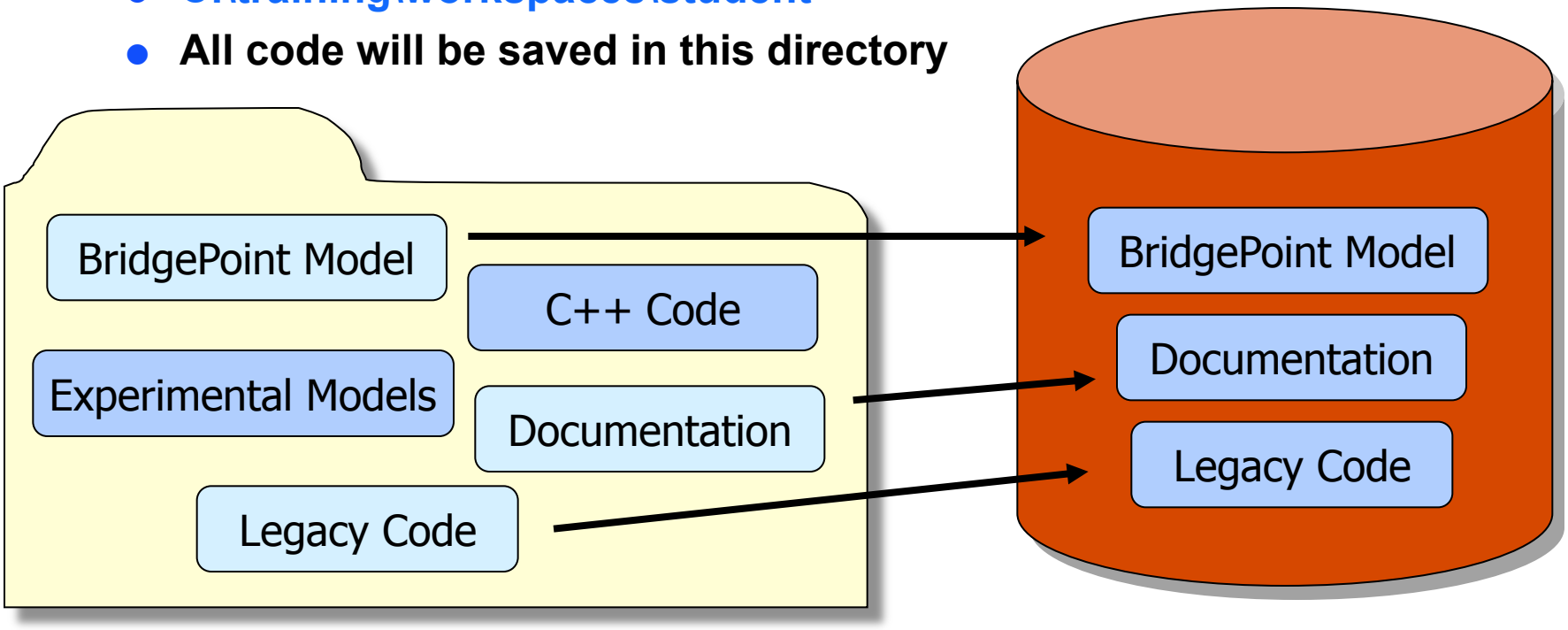
- Workspace – a collection of projects
- Project – A container for resources
- Resource – files and folders in a project
- View – provides a way to navigate resources
- Editors – tools that operate on resources
- Perspective – a collection of views and editors designed to support a particular activity.



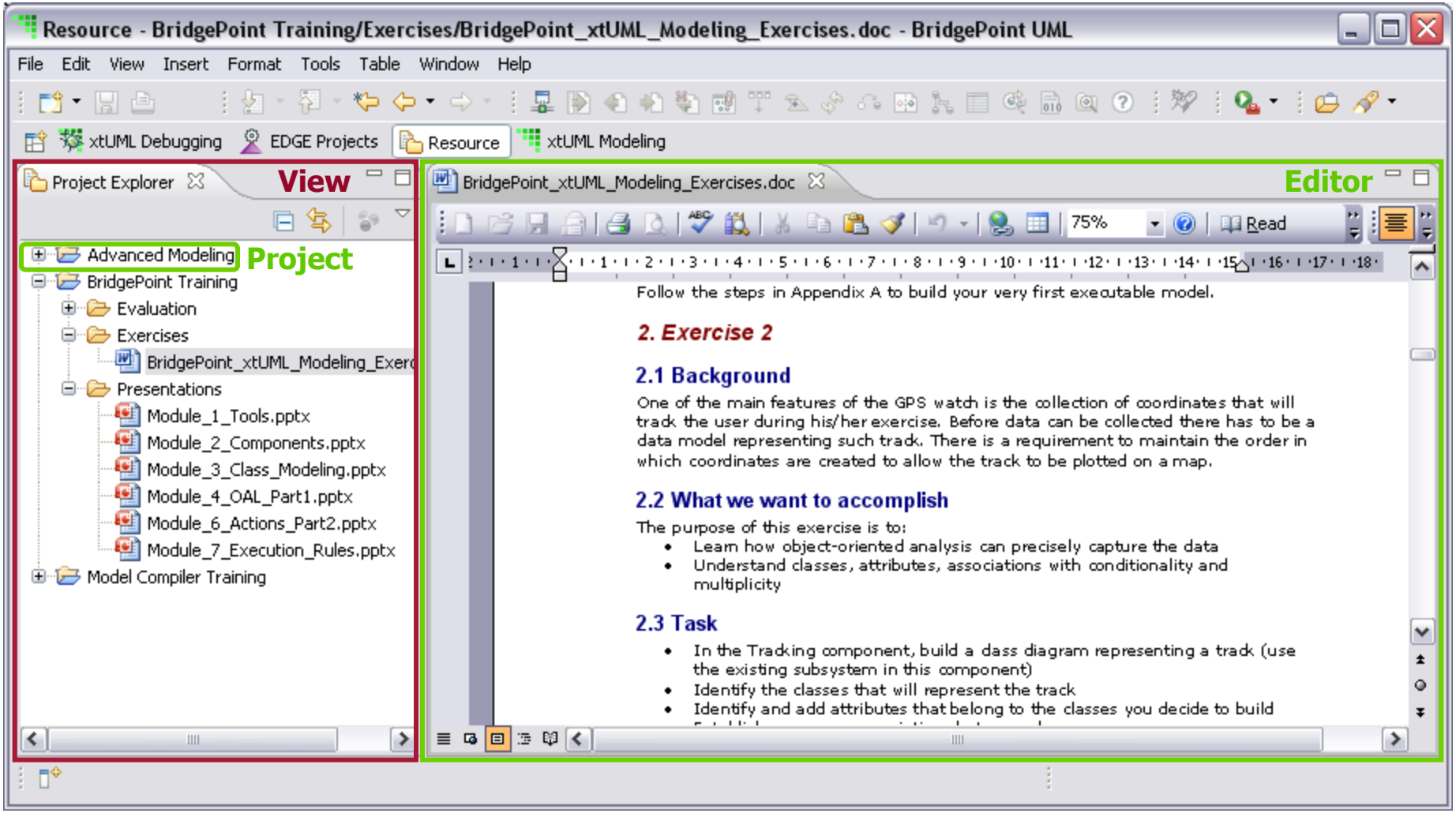


Workspace

- Work area for any set of projects
- Usually some directory in the file system
- The workspace is specified when Eclipse starts
- In this course, for instance, we may set the workspace to
  - C:\training\workspaces\student
  - All code will be saved in this directory



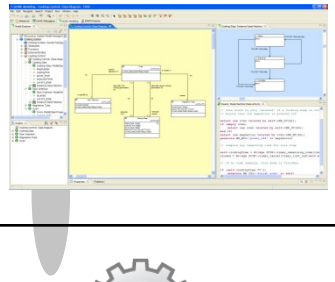
Projects, Resources, Views & Editors



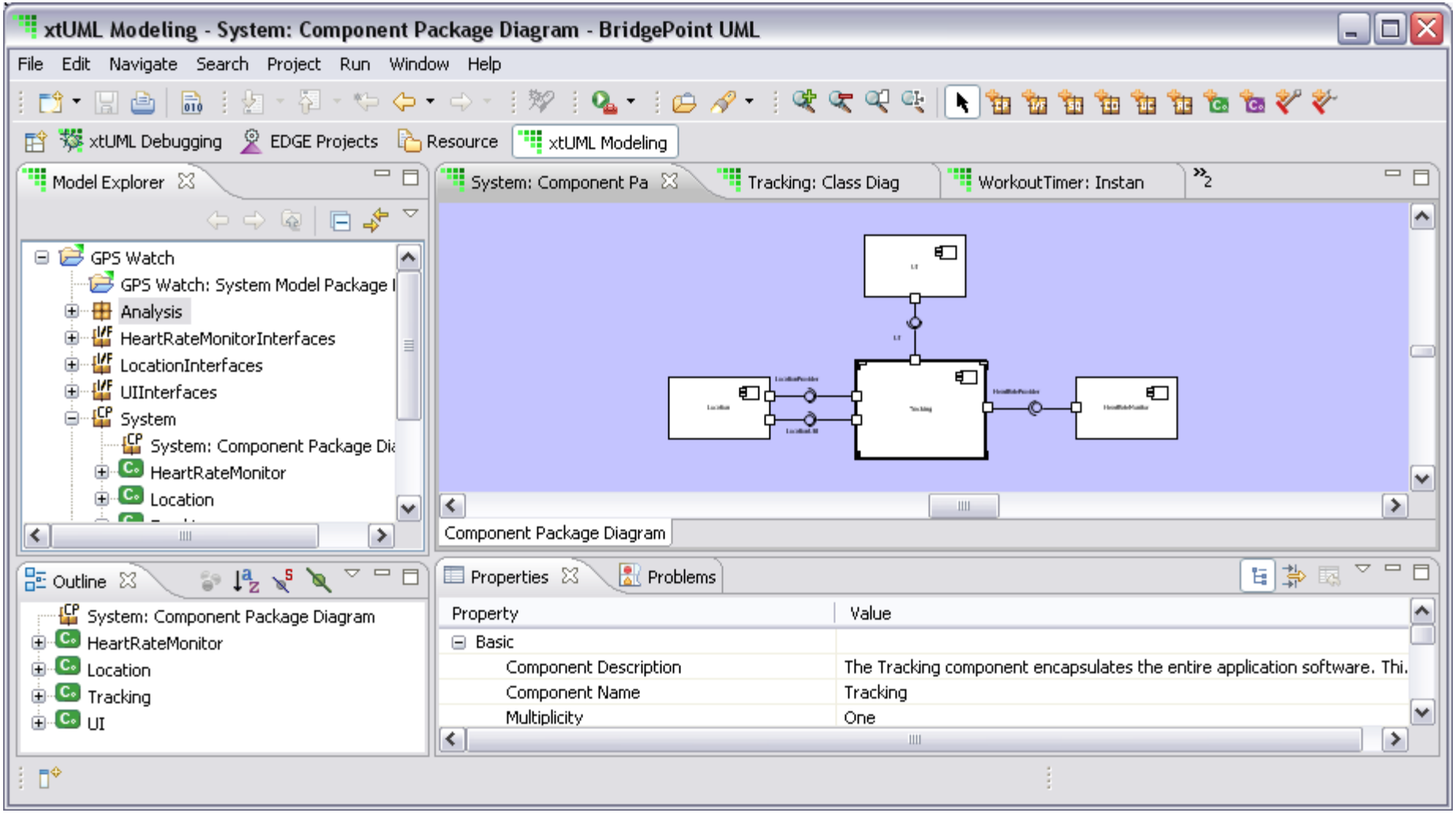
Perspective

- Each Eclipse session contains one or more perspectives
- Each perspective provides a set of functionality aimed at accomplishing a specific type of task or that works with specific types of resources
  - For example, the C/C++ perspective combines views that you would commonly use while editing C/C++ source files
- You might need switch perspectives frequently as you perform different tasks

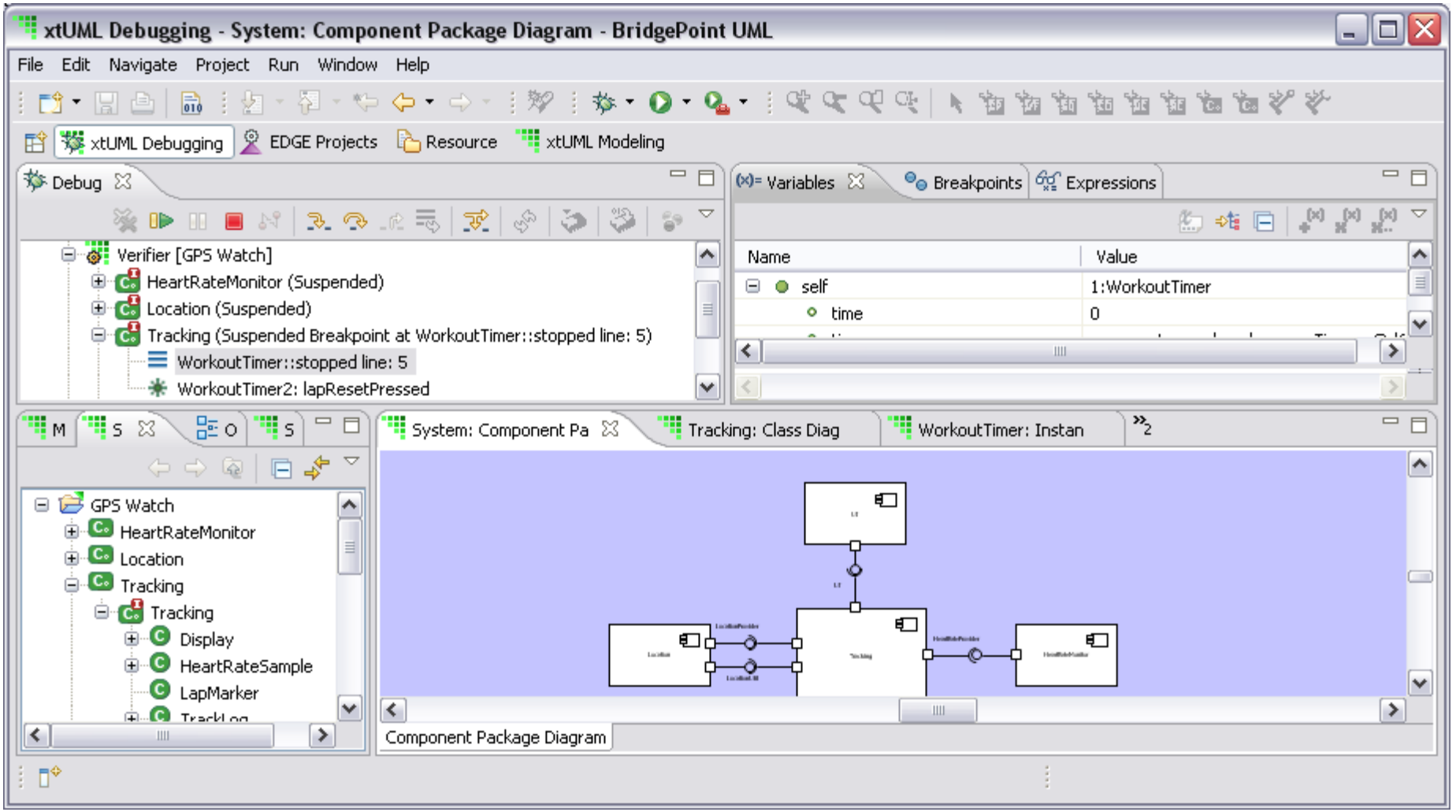
BridgePoint Perspectives

	Tool	Perspective
	Model Builder (UML)	xtUML Modeling
	Model Verifier (x)	xtUML Debugging
	Model Compiler (t)	C/C++

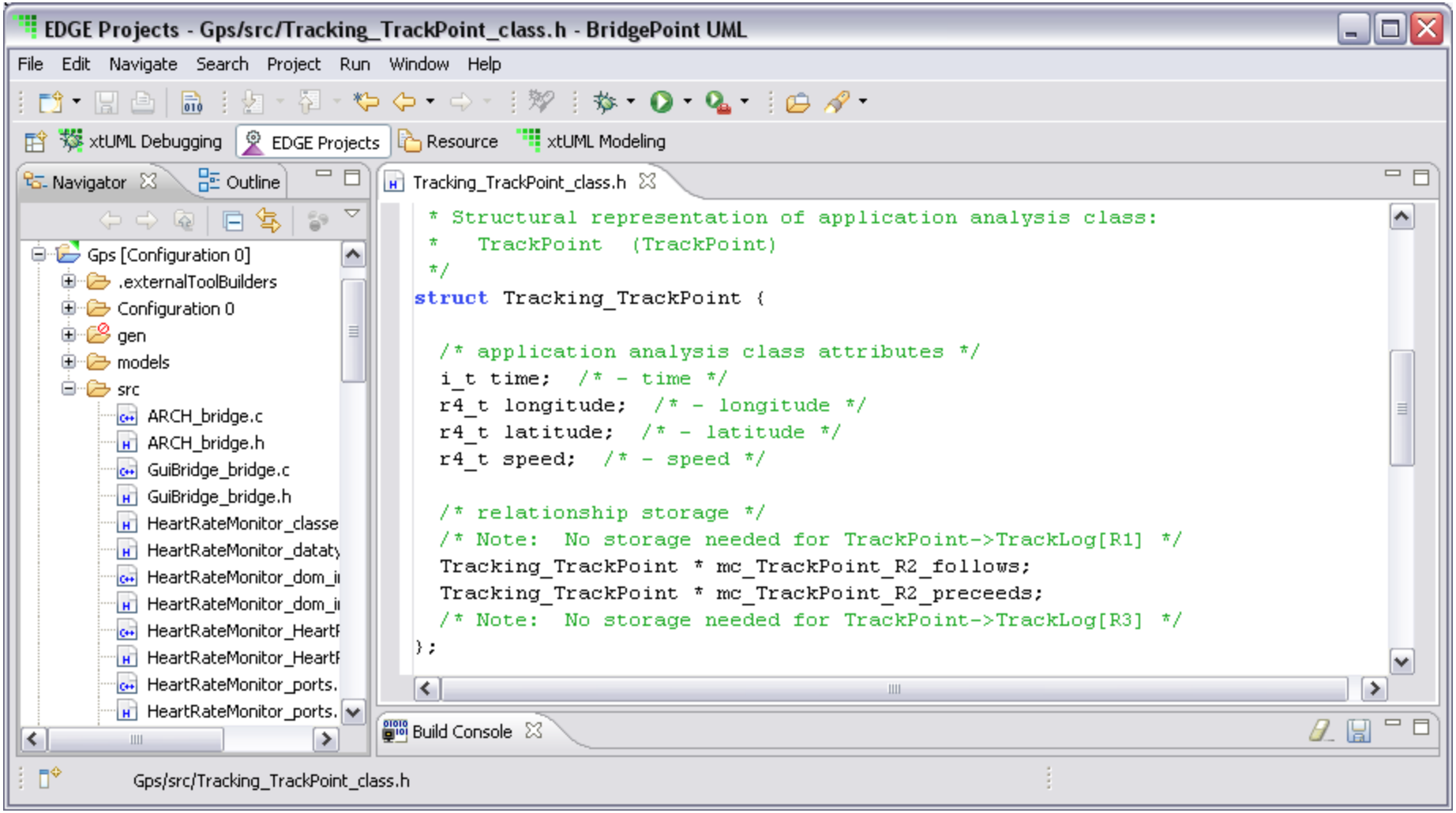
xtUML Modeling



xtUML Debugging



Model Compiler



Lab 1: Exercise 1

- **Loading a pre-existing project from an archive file**