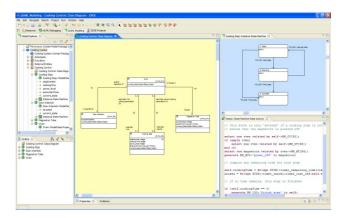
### Framework

- 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**

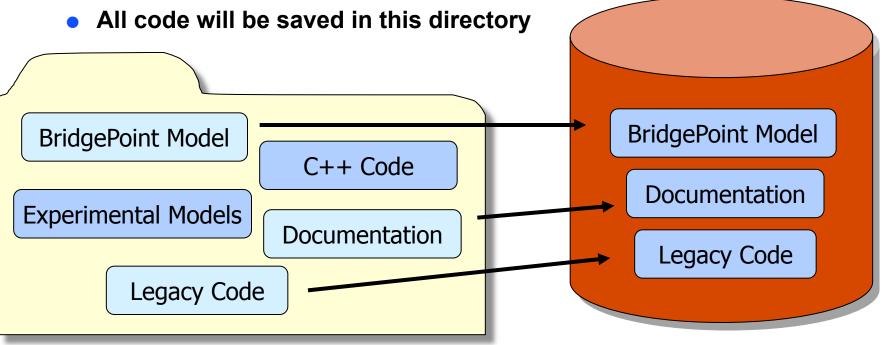
- Workspace a collection of projects
- Project A container for resources
- Resource files and folders in a project
- View provides a way to navigate resources
- Editors tools that operate on resources
- Perspective a collection of views and editors designed to support a particular activity.



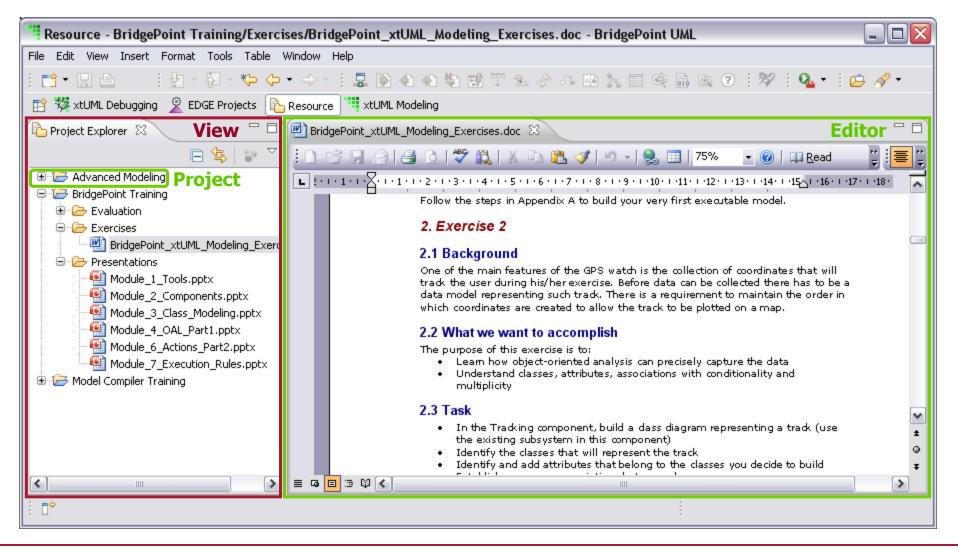


#### Workspace

- 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



### **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

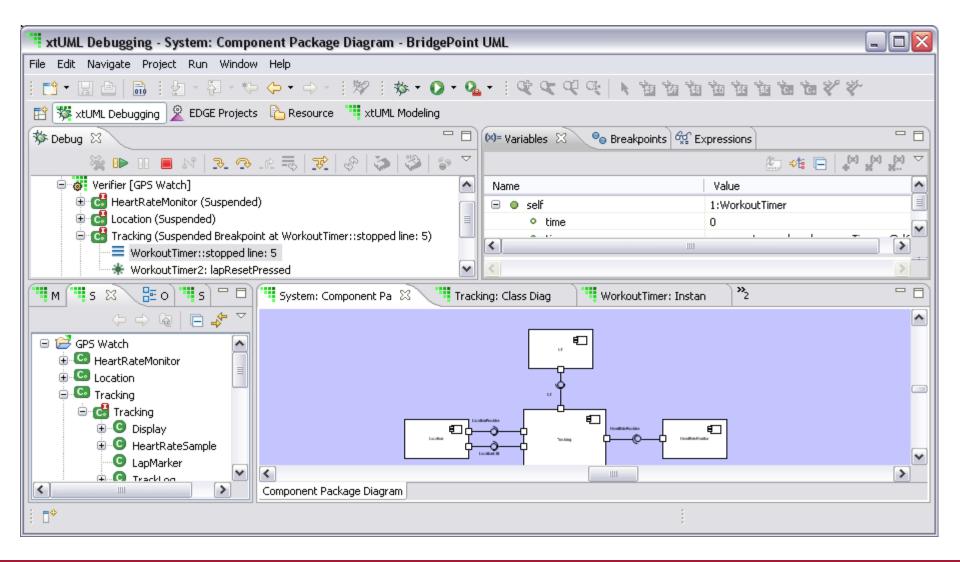
# **BridgePoint Perspectives**

	ΤοοΙ	Perspective
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	Model Verifier (x)	' 🎇 xtUML Debugging
C/C++ Java	Model Compiler (t)	<u>©</u> C/C++

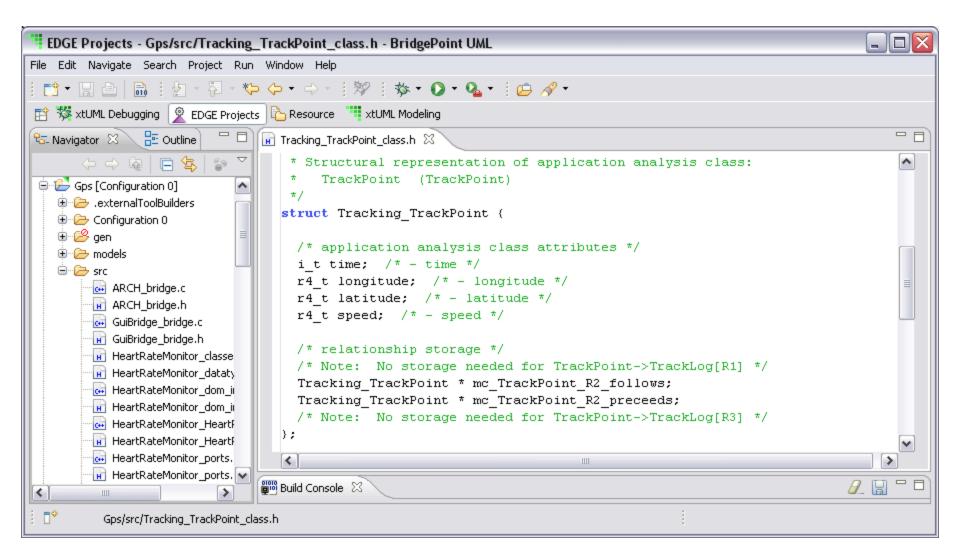
# **xtUML Modeling**

xtUML Modeling - System: Component Package Diagram - BridgePoint UML					
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# xtUML Debugging



# **Model Compiler**



#### Lab 1: Exercise 1

Loading a pre-existing project from an archive file