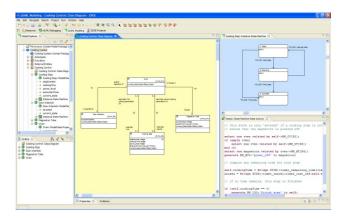
Framework

- 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

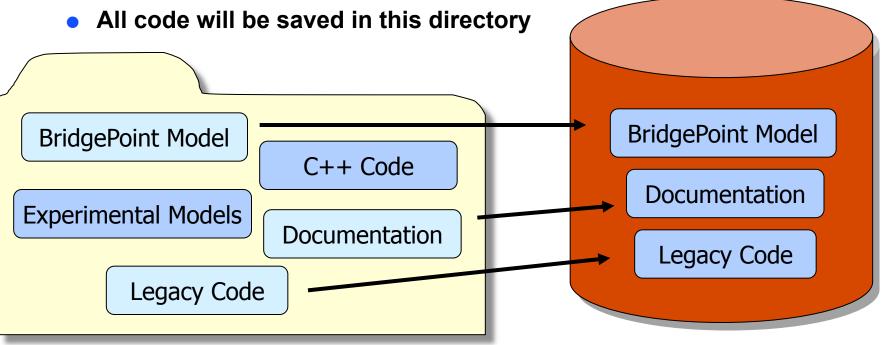
- Workspace a collection of projects
- Project A container for resources
- Resource files and folders in a project
- View provides a way to navigate resources
- Editors tools that operate on resources
- Perspective a collection of views and editors designed to support a particular activity.



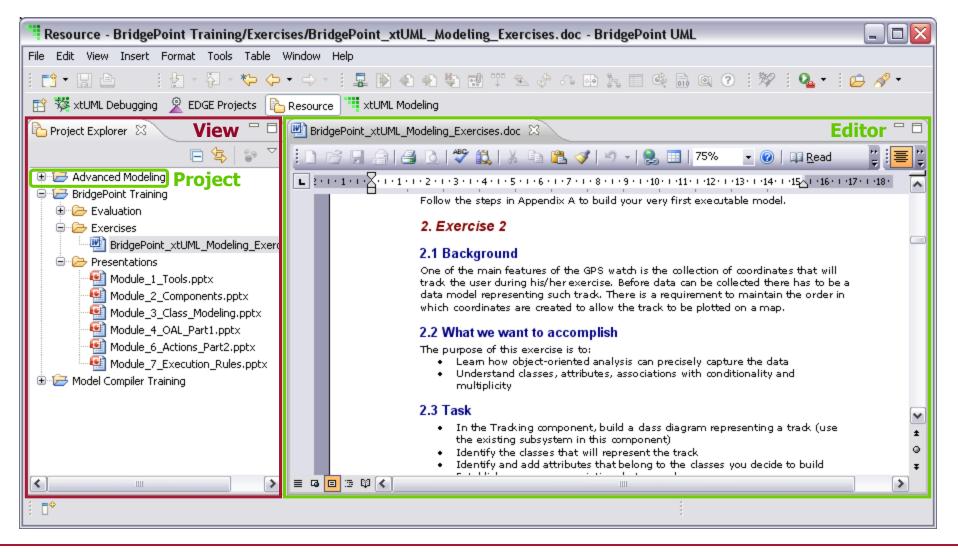


Workspace

- 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

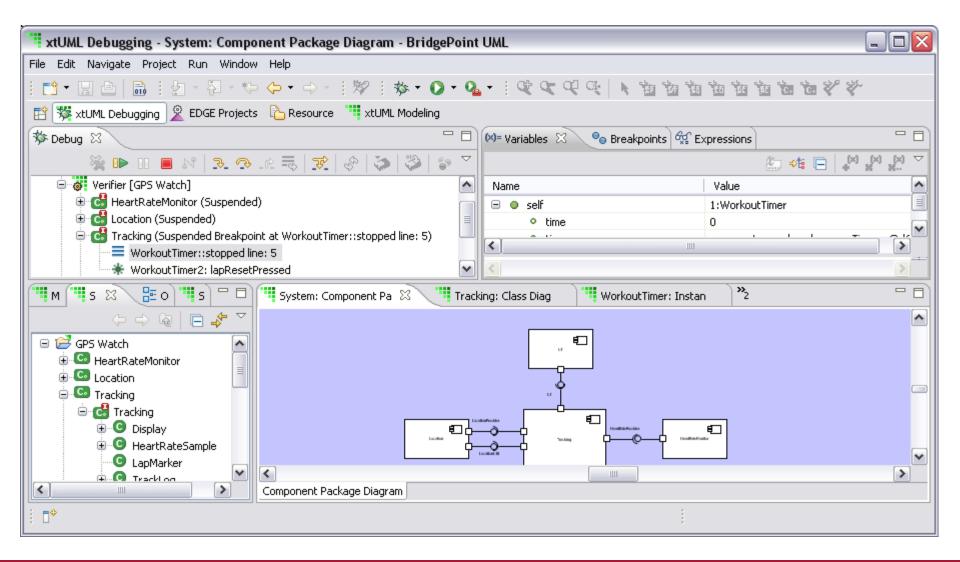
BridgePoint Perspectives

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

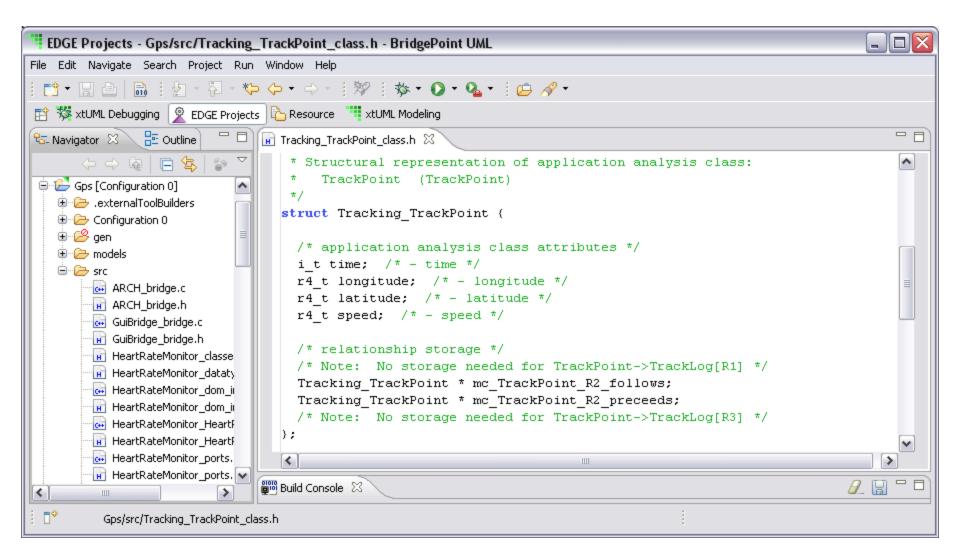
xtUML Modeling

xtUML Modeling - System: Component Package Diagram - BridgePoint UML					
File Edit Navigate Search Project Run Window Help					
i 📬 • 🖫 💩 🗟 i ½ - 闷 - ♡ - i ≫ i ∞ + i 🕸 i 🕰 • i 🗁 🔗 • i ඥ ඥ 🤍 🔍 📐 🖬 🐄 🐄 🐄 🐄 🐄 🧒 🦿 💞					
😰 🗱 xtUML Debugging 🙎 EDGE Projects 🔓 Resource 🎬 xtUML Modeling					
Model Explorer 🛛 🗖 🗖	System: Component Pa 🛛 🛄 Tracking: C	lass Diag 🛛 🦉 WorkoutTimer: Instan 🛛 😕	- 8		
(> @ 🖻 🦨 🎽			^		
🕞 😅 GPS Watch 📃 🔼		_ E			
GPS Watch: System Model Package I					
🕀 🖶 Analysis		Ŷ			
HeartRateMonitorInterfaces		<u>"</u>			
Grad Clinterfaces					
System System Generation					
Go HeartRateMonitor		•••••••			
	<				
	Component Package Diagram		*		
🗄 Outline 🛛 🛛 🕼 🎝 🖓 🔽 🖓	Properties 🛛 🚼 Problems	E			
🗳 🗳 System: Component Package Diagram	Property	Value	^		
🕀 🚾 HeartRateMonitor	😑 Basic				
E Location	Component Description The Tracking component encapsulates the entire application software. The		ion software. Thi.		
⊕ 🖸 Tracking	Component Name Tracking				
	Multiplicity One				
: □◆					

xtUML Debugging



Model Compiler



Lab 1: Exercise 1

Loading a pre-existing project from an archive file