

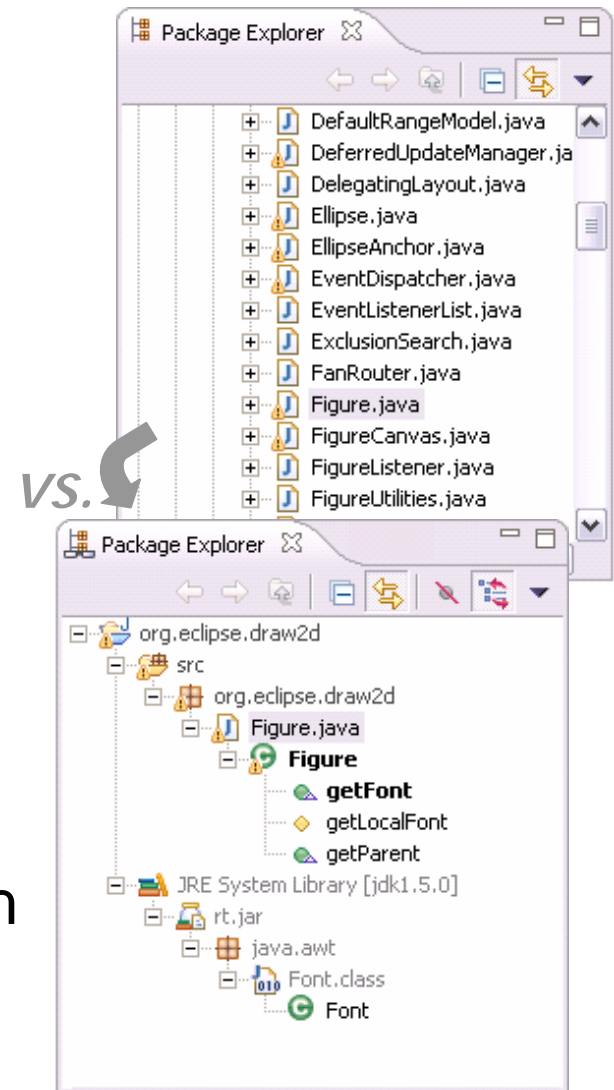
*mylar*

*project creation review*

*may 9, 2005*

# Overview

- Eclipse views get overloaded when working on large systems
- Current Mylar prototype makes working with large Java projects as easy as it is to work with small projects
- Shows developers only what they are working on
  - Encodes a degree of interest model by monitoring developers' work
  - Provides standard Eclipse views with features such as interest-based filtering, highlighting, folding



# Scope

- Demonstrate that modeling task context is a core concern of the IDE platform, and that it can be seamlessly integrated into Eclipse to better support developers working with large workspaces.
- Build the core models, infrastructure, and UI components required to model and expose task context. The reference implementation will be tools for Java and Eclipse plug-in development.
- Solicit contributions to extend the interest model to additional Eclipse development platforms as C/C++ and J2EE, and to additional tools such as those for task management and information visualization.
- Provide a platform for ideas and prototypes that help scale the Eclipse user interface to very large systems.

# Participants

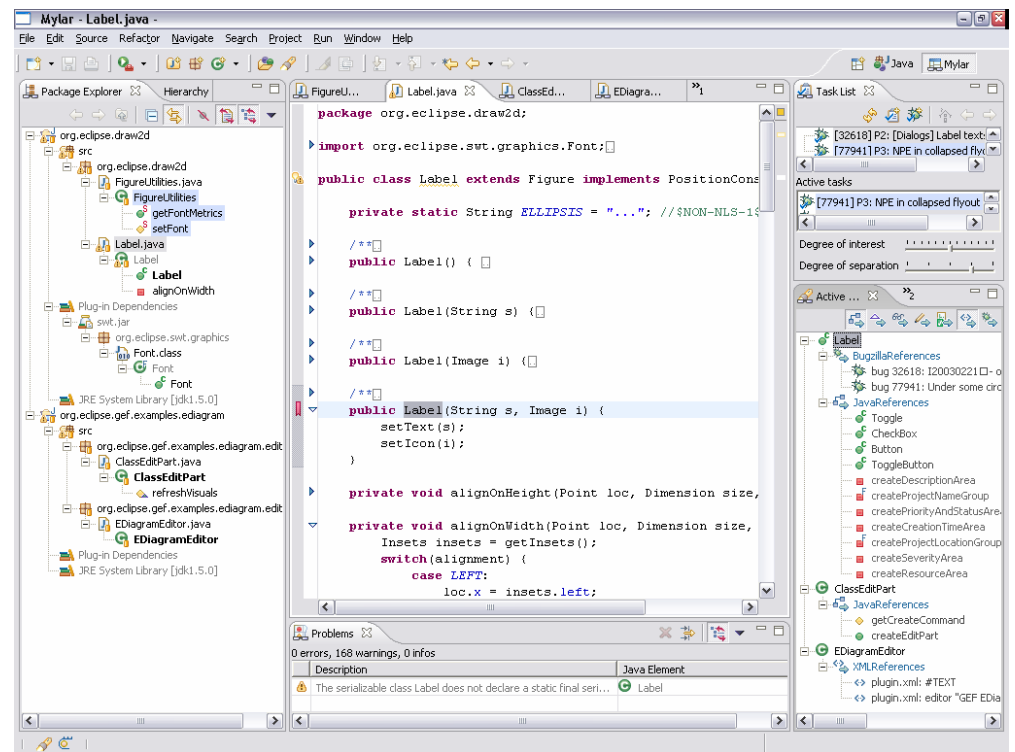
- Initial committers (UBC)
  - Mik Kersten: project lead
  - Gail Murphy: project manager
  - Shawn Minto: committer, component owner of Bugzilla and XML support plug-ins
- Interested parties
  - CHISEL lab (UVic): Margaret-Anne Storey
  - JDT (IBM): Philippe Mulet
  - AspectJ/AJDT (IBM Hursley): Adrian Colyer
  - CDT (Texas Instruments Canada): Winnie Lai
  - Rational (IBM): Jin Li
- Goal is to make it easy and worthwhile to contribute extensions, ideas and implementation
  - Engage early and engage often
  - Initial developer community will include interested parties and individuals who have expressed interest in extending Mylar

# Community

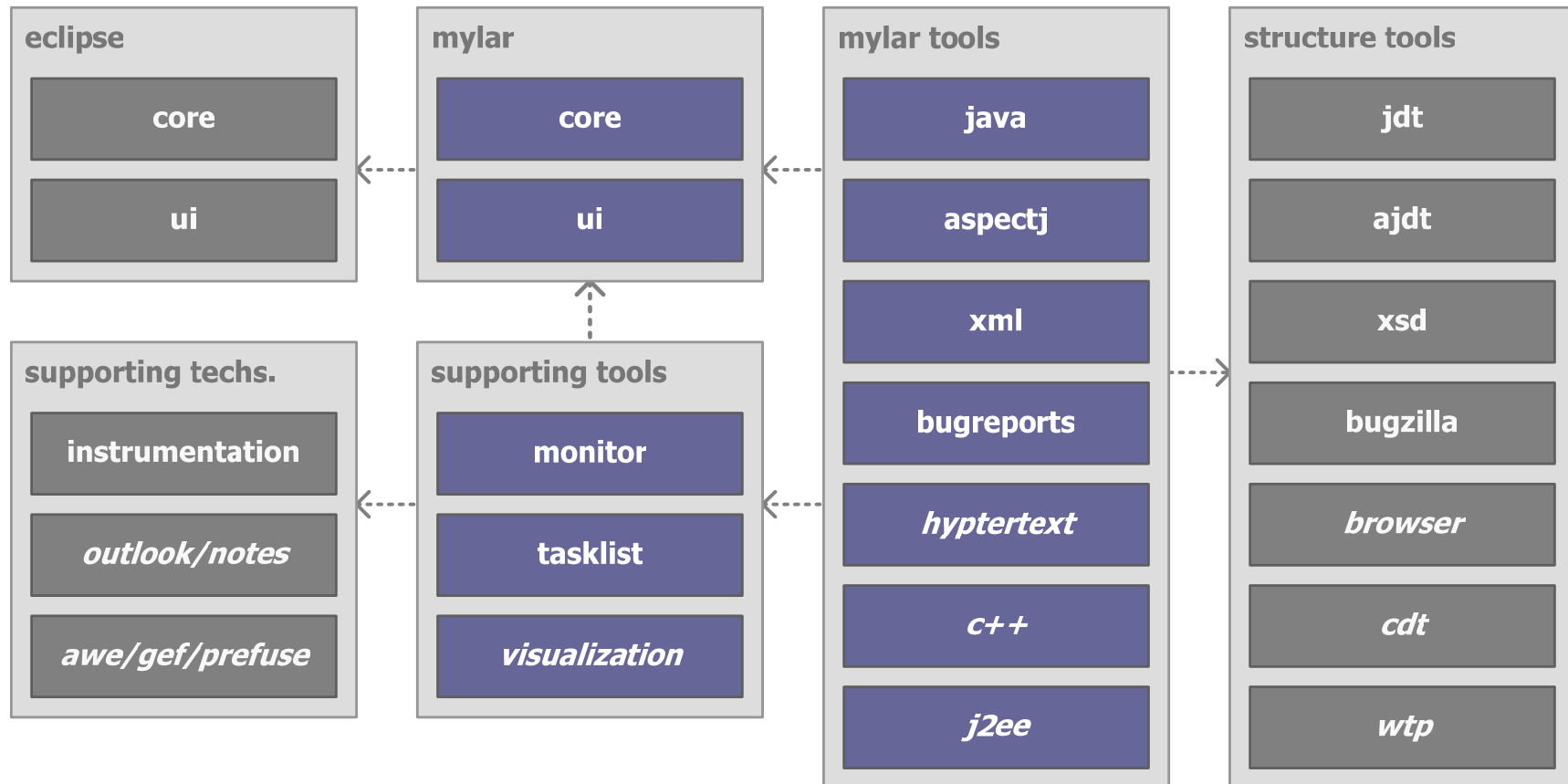
- Will encourage contributions in forms other than source
  - Ideas, guidance, discussions, publications
  - Current interest from Imperial College of London, Chinese University of Hong Kong
- Initial user community
  - 87 people have signed up for the pre-release
- Responses to the project
  - EclipseCon 2005: I thought Mylar was the most exciting technology I saw at the conference (including all the commercial vendor offerings)!" [Sean Woodhouse, Technical Director of Verasta]
  - Blogs
    - [The coolest plug-in you're not using](http://eclipsepowered.org) (eclipsepowered.org)
    - [Mylar: eclipse plugin to avoid information blindness](http://jroller.com/page/werner) (jroller.com/page/werner)

# Implementation

- Mylar core
  - Model APIs: degree-of-interest, degree-of-separation
  - UI: interest filters, highlighters, sorters, folding, actions
- Mylar tools
  - Map domain structure to interest model
  - Provide search facilities
  - Extend views and editors
- Supporting tools
  - Monitor: user studies
  - Task list: task management integration



# Architecture



- Mylar tools depend on existing eclipse.org projects and components
- No coupling between the tools so they can be used independently
- Future plug-ins and dependencies are *italicized*

# Plan

- 2005-Q2
  - Complete preview release of Java and plug-in development support
- 2005-Q3
  - Conduct large user study on the effectiveness of the model and UIs
  - Harden model based on study data
  - Create APIs for integrating Mylar with additional development tools
  - Engage and support contributions and extensions
- 2006
  - Extend support to J2EE, C++, hypertext documents, RCP
- 2007
  - Demonstrate that modeling task context is a core concern of the Eclipse platform and UI
  - If successful, graduate the core technology and implementation out of the Eclipse Technology Project; if not, review charter and purpose