

# *Eclipse Mylyn*



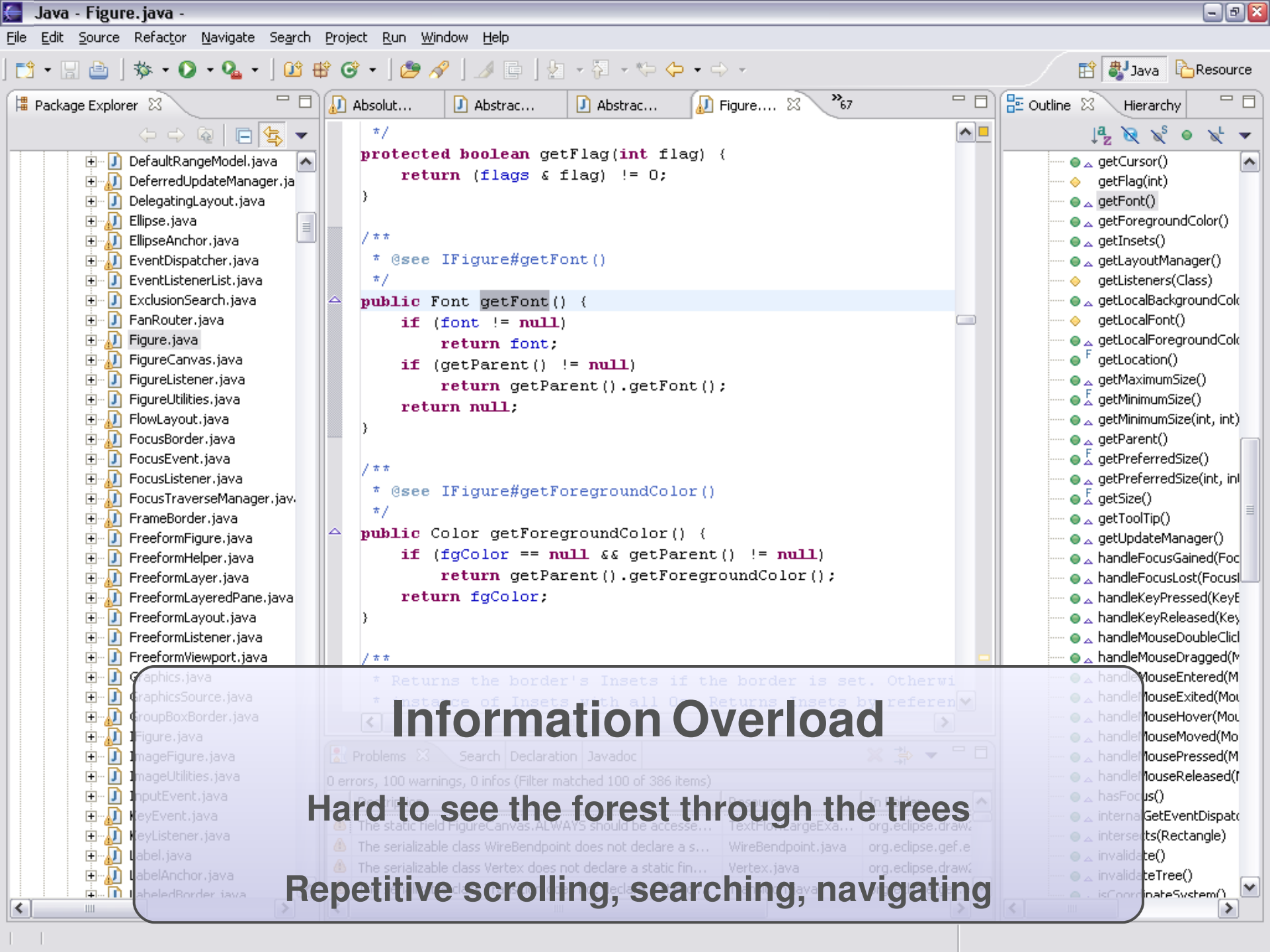
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With material from Mik Kersten and Rob Elves

# ***Task-Oriented Programming***

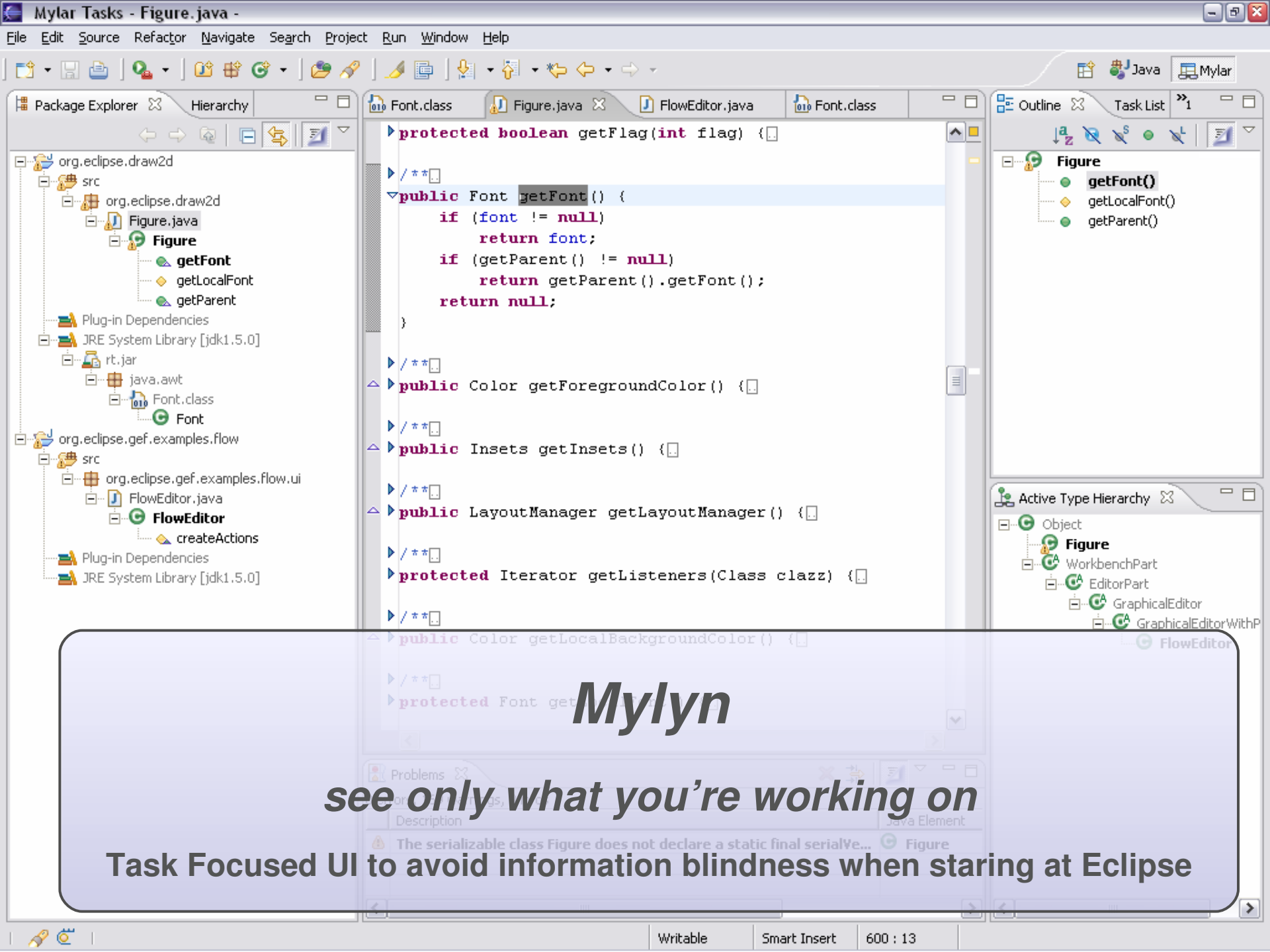
- Integrates task management
- Automates context management
- Reduces information overload
- Makes multi-tasking easy
- Mylyn is an extensible framework
- Integration
  - Showcase of open source and proprietary tools



# Information Overload

Hard to see the forest through the trees

Repetitive scrolling, searching, navigating



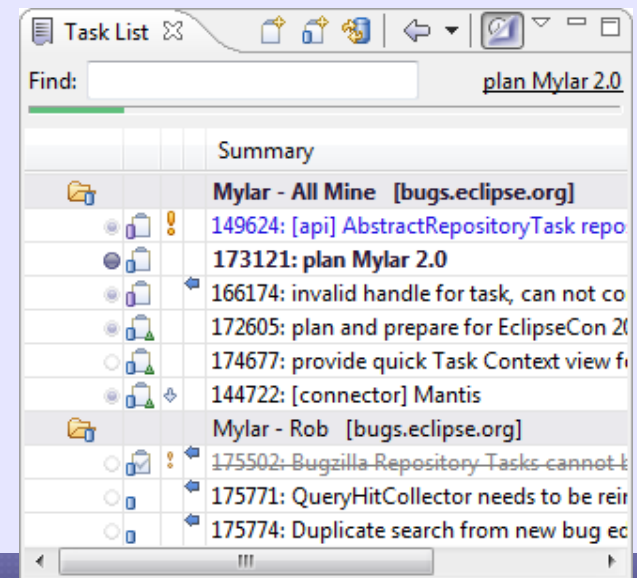
**Mylyn**

*see only what you're working on*

**Task Focused UI to avoid information blindness when staring at Eclipse**

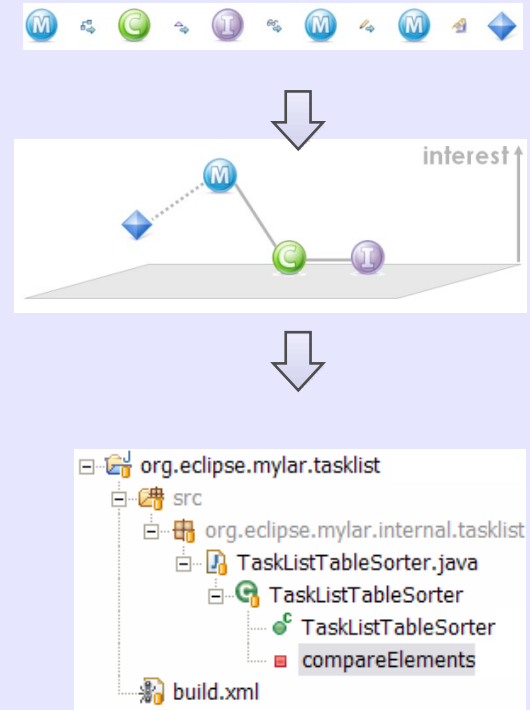
# Task management

- Manage all your tasks in a single personalized view
- Repository connectors
  - Integrate web-based task repositories
  - Offline editing and access
  - Integrated change notifications



# Task-focused UI

- Mylyn monitors your interaction
  - Creates degree-of-interest model
  - What you touch is in your context
  - Actively managed as you work
- Task-focused UI
  - View filtering, element decoration
  - Automatic folding, content assist ranking
  - Editor and perspective management
  - One-click task switching

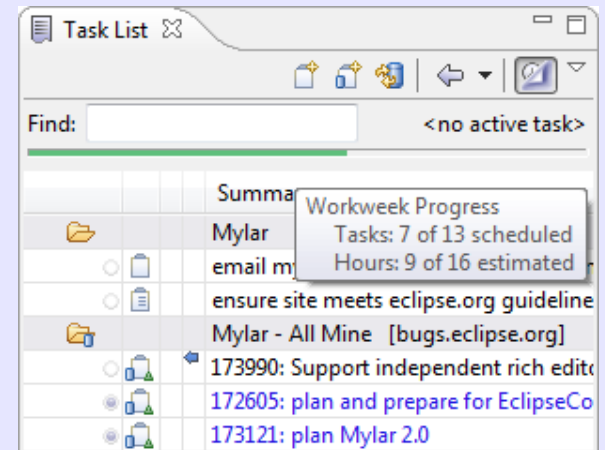


# ***Collaboration***

- Change set management
  - Changes are automatically grouped by task
  - Commit messages are automatic
  - Everything is linked
- Task context sharing
  - Expertise is captured and can be shared via repository
  - Tasks are easy to recall, knowledge easy to share

# Planning

- Personal planning
  - Meshes with team planning activities
  - Can monitor components and collaborations
- Focused workweek
  - See only the tasks you need to work on





# *Ganymede*

- Mylyn included with Ganymede Release Train
  - Deep integration: debugging, XML folding
  - More automation: workflow, content assist, streamlining
  - Flexible task organization, planning tool integration
- Included with EPP packages
  - Eclipse IDE for Java Developers
  - Eclipse IDE for JEE Developers
  - Eclipse IDE for RCP/Plug-in Developers
  - Others...

# *Changing how we work*

- Information you need to get work done is at your finger tips
- Multitasking and recalling old tasks become effortless
- UI automation (e.g. working sets, search, commit messages)
- Keeps you in Eclipse and out of your browser and inbox

# ***Validated technology***

- Statistically significant increase in programmer productivity
- Task context model supports generic knowledge work

## • ***Integration***

- SpringIDE bridge for focusing Spring Framework artifacts
- Subclipse team integration
- Mantis task repository connector

# ***Commercial Products***

- Tasktop Summer will be available July 23<sup>rd</sup>
  - Time tracking, Gmail integration
  - Connectors for Atlassian, CollabNet and Rally
- SpringSource Tool Suite
  - Currently supports Mylyn 2.3
  - Will incorporate Mylyn 3.0 in August
- JBuilder will incorporate Mylyn 3.0 and Eclipse 3.4 later this year

# *Summary*

- Mylyn has already shown that working in a Task Focused way can help programmers
- Because Mylyn is part of Eclipse and has APIs, RCP, there is the opportunity to reuse Mylyn for other domains
- The framework is open and growing
  - Mylyn is all about integration