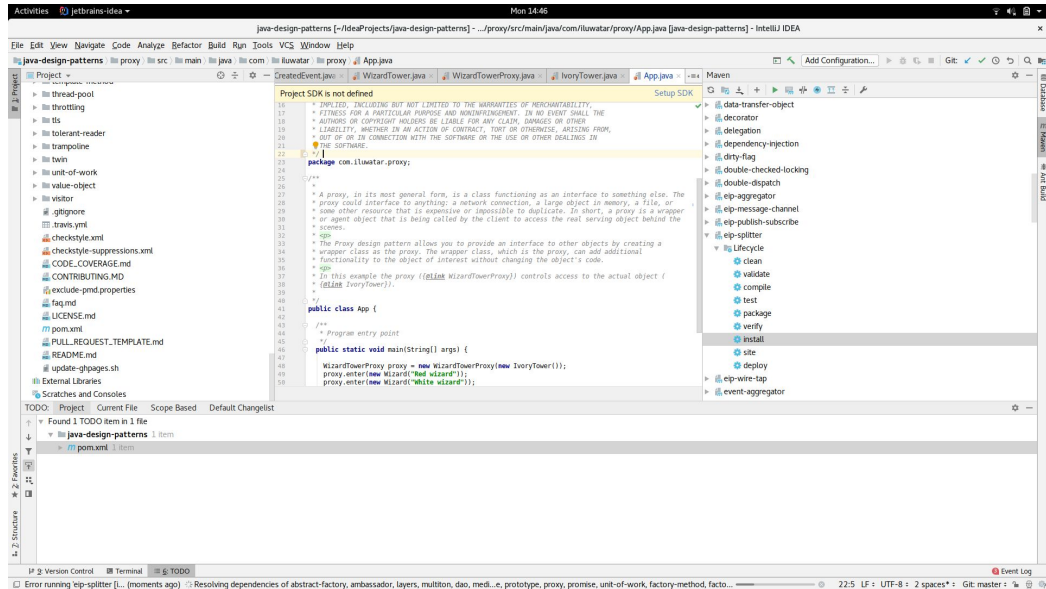

IDE Intelligent Tutorials (IDE-IT)

— John Barcellos and David Thien —

Motivation

- IDEs have a lot of useful features
- Hard to keep track of them
- Tutorials usually present them all at once



Solution

- We propose an Intelligent Tutorial system for IDEs that automatically detects when users could make use of a new feature they are not currently using and starts a tutorial
- If a user renames several variables all at once IDE-IT would pop up a tutorial for refactoring
- Tutorials are launched by triggers with heuristics to determine when a user wants a tutorial

Approach and Challenges

- Add as a plug-in to the IntelliJ IDEA IDE
- IntelliJ is a large standard IDE with a plugin marketplace
- Challenge to our design is being able to accurately detect triggers to start a tutorial
- Not overwhelming the development process with tutorials
- Initially will do a tutorial for the most-used features of the IntelliJ IDE
- Long-term: could provide a library for other people to use
- Creating Intelligent Tutorials could be as easy as making a traditional one