

# f IDE eature

## Development of Eclipse Plug-Ins

Introduction to SE Projects | Thomas Thüm, Tobias Heß | January 29, 2020

# Development of Eclipse Plug-Ins

The facts

- **What is the subject?**

Eclipse, integrated development environments, plug-in development, black-box frameworks, design patterns

- **How is development organized?**

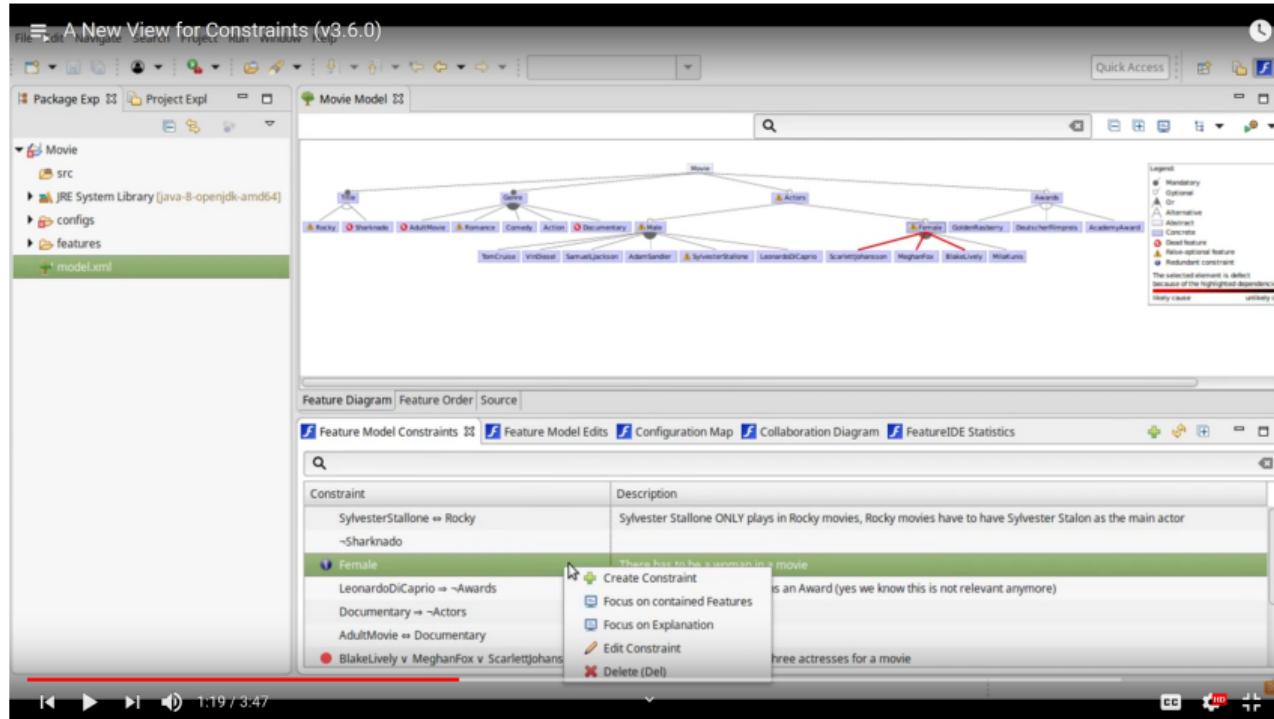
agile software development, extreme programming, pair programming, story cards, code reviews, test-driven development, unit tests, GUI tests, git, forking, pull requests, Github, continuous integration, Travis

- **Who are we looking for?**

inquiring students with good Java skills

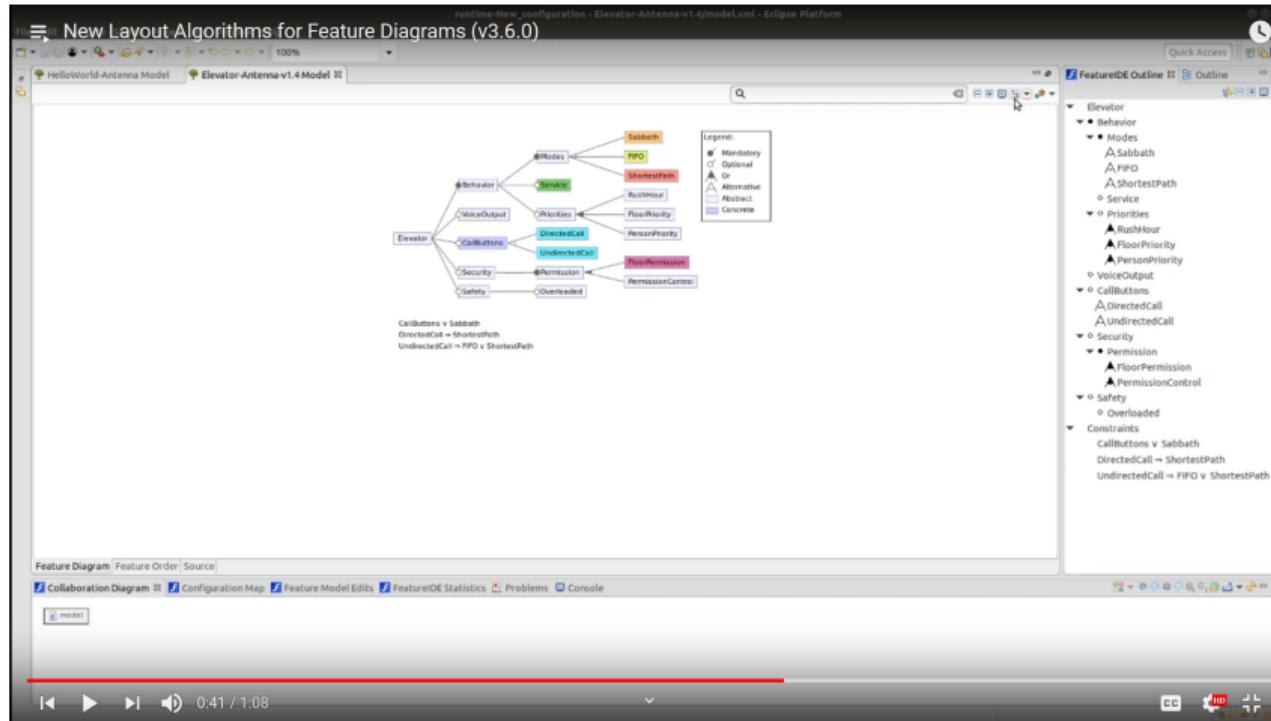
# Development of Eclipse Plug-Ins

Results from previous years (in Braunschweig/Magdeburg)



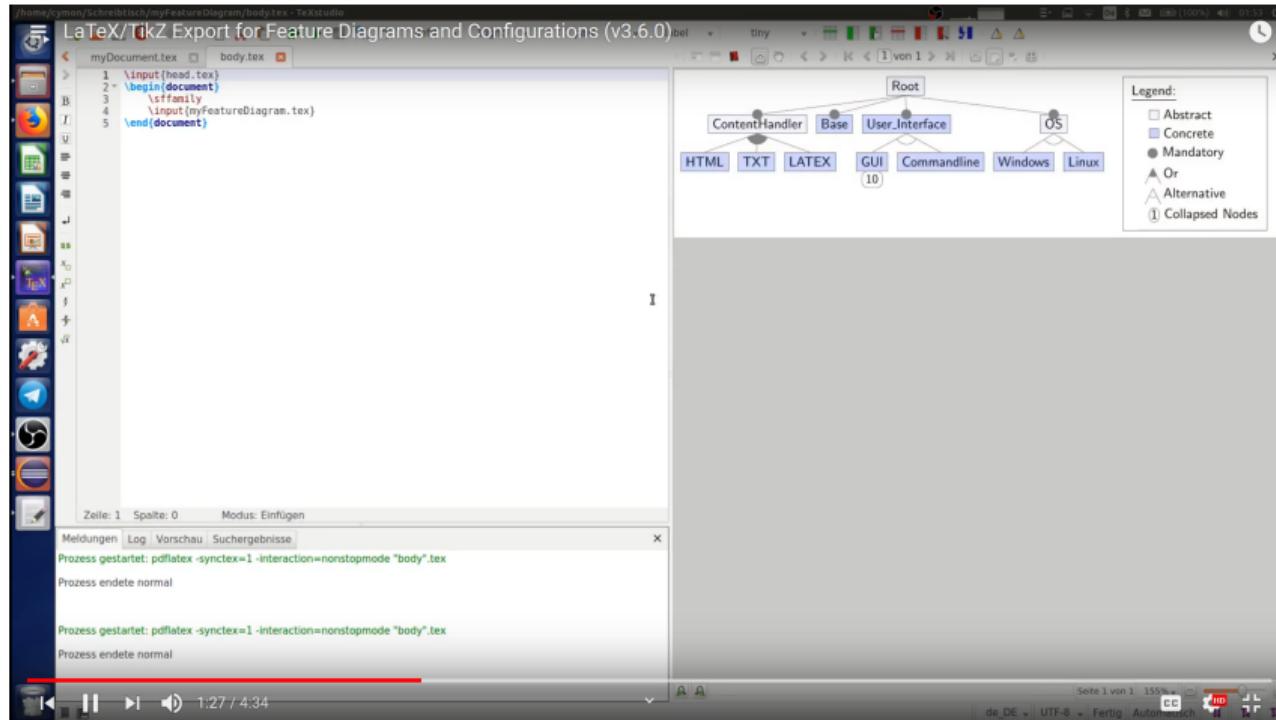
# Development of Eclipse Plug-Ins

Results from previous years (in Braunschweig/Magdeburg)



# Development of Eclipse Plug-Ins

Results from previous years (in Braunschweig/Magdeburg)



# Development of Eclipse Plug-Ins

Screencasts available on Youtube

The screenshot shows the YouTube channel page for "FeatureIDE". The channel has 74 subscribers and is marked as "SUBSCRIBED". The "HOME" tab is selected, showing the "Uploads" section with five video thumbnails:

- LaTeX/TikZ Export for Feature Diagrams and... (4:35)
- New Layout Algorithms for Feature Diagrams (v3.6.0) (1:09)
- Extended Menu Bar in Feature Diagram... (1:23)
- Comfortable Creation and Selection of Features (v3.6.0) (1:41)
- A New View for Constraints (v3.6.0) (3:48)
- VariantSync: Change Synchronization from... (1:08)

Below the videos, there is a section titled "Created playlists" with six entries:

- v3.3.0 (April 2017) (VIEW FULL PLAYLIST)
- v3.5.0 (April 2018) (VIEW FULL PLAYLIST)
- v3.6.0 (August 2019) (VIEW FULL PLAYLIST)
- Software Project @ University of Magdeburg (September 2018) (VIEW FULL PLAYLIST)
- Team Project @ TU Braunschweig (October 2018) (VIEW FULL PLAYLIST)
- VariantSync (VIEW FULL PLAYLIST)

# Development of Eclipse Plug-Ins

Feedback by participants (in German)

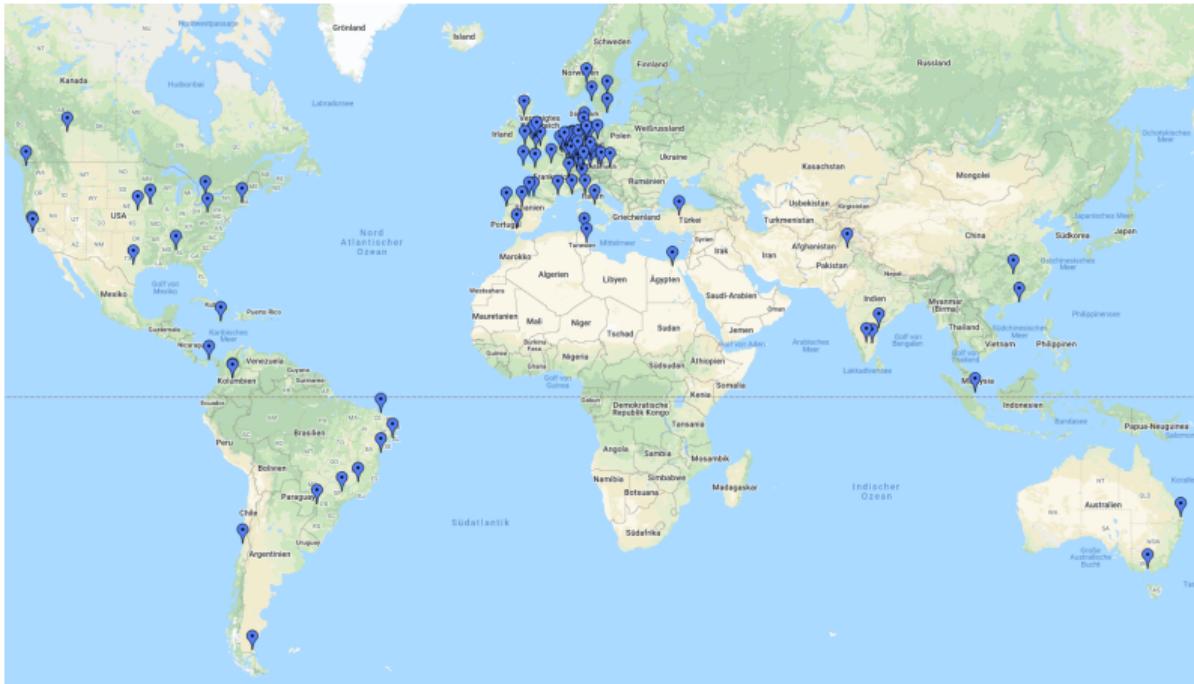
*„Man wird sehr schnell lernen, wie man produktiv arbeitet, welche Probleme man zu bewältigen hat und ob seine Arbeit wirklich gut ist. Und das Beste ist, dass man etwas handfestes erstellt! Das Projekt hat Zukunft und auch viele Interessenten - es ist wirklich ein Projekt was die Arbeit und Zeit wert ist.“*

*„Insgesamt, hat es mir viel gebracht und ich kann es jedem weiterempfehlen. [...] Man arbeitet an einem großen, bestehendem Projekt, dass auch tatsächlich eingesetzt wird. Man lernt etwas darüber sich in fremden Code zurecht zu finden.“*

*„Ich würde dieses Projekt jedem Studenten, mit genügend Java Kenntnissen und Willen zum Vertiefen dieser Skills, empfehlen.“*

# FeatureIDE is used world-wide

Hundreds of support requests between 2007 and 2020



# Interested?

Get more information on our project page



<https://www.uni-ulm.de/index.php?id=101458>