Testing business applications with RCPTT

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Why UI testing?

• Test the final product (what the user gets)
• Test use cases, not classes
• More natural for regression testing
Struggling to find a good solution

• Not satisfied with productivity
• Can’t really trust the results (false negatives)
• Still can’t test some important UI things (like images, decorations, markers)
Example – checking an item in a table

- Click or check/uncheck?
- How to get/set current value?
  - MarkerViewerContentProvider
  - CheckboxCellEditor
Main points

- UI testing is really hard
- Blackbox testing is a myth (or a dream)
- Someone has to be an expert in internals – but who? Tool developers or QA engineers?
RCP Testing Tool

- Smart runtime focused on a single platform
- Explicit state management
- Automatic wait of background operations
- Productivity of test creation and maintenance
The bottom line

• RCPTT plays well with Eclipse projects
• Tests are independent from execution order or operating system
• Test designers can focus on product knowledge, not APIs knowledge
What’s next?

- http://eclipse.org/rcptt
- http://eclipse.org/forums/eclipse.rcptt
Thank you!

Visit http://eclipse.org/rcptt