

itemis





BUSINESS DSLS

- Designed for business experts
- ➤ Formalize the business aspects of an application
- ➤ Examples
 - business rules
 - ➤ workflows
 - ➤ role models
 - application configuration
- ➤ Usually executed at runtime (not design time)



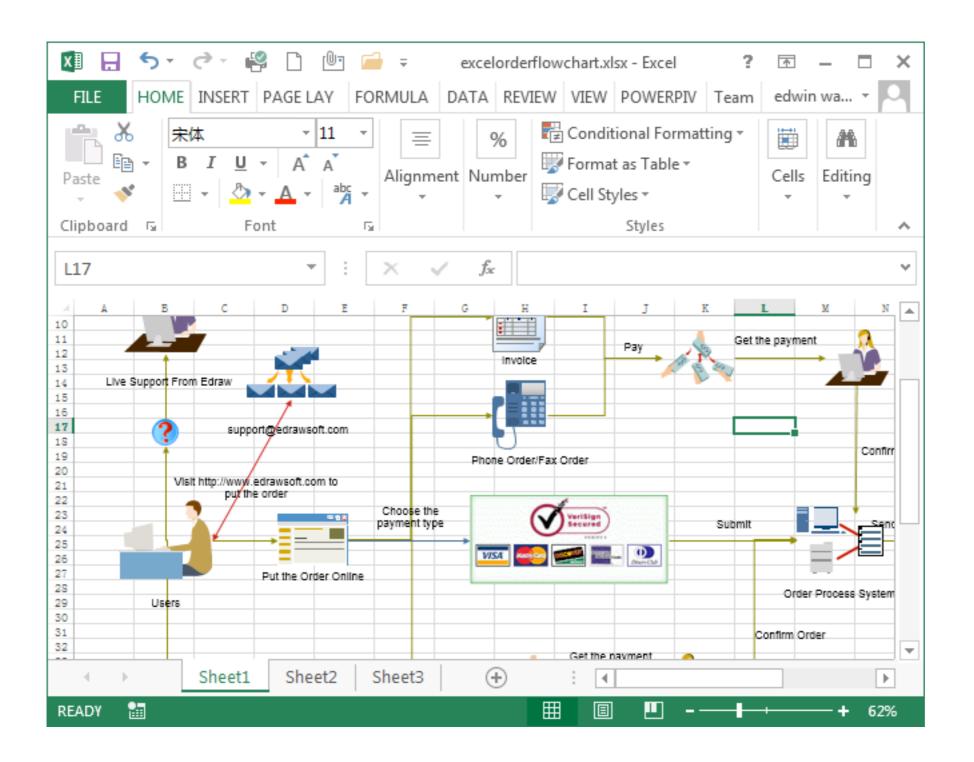
SOFTWARE DEVELOPER VS BUSINESS USER

- ➤ Software Developer
 - ➤ Trained to use IDEs
 - ➤ Loves text

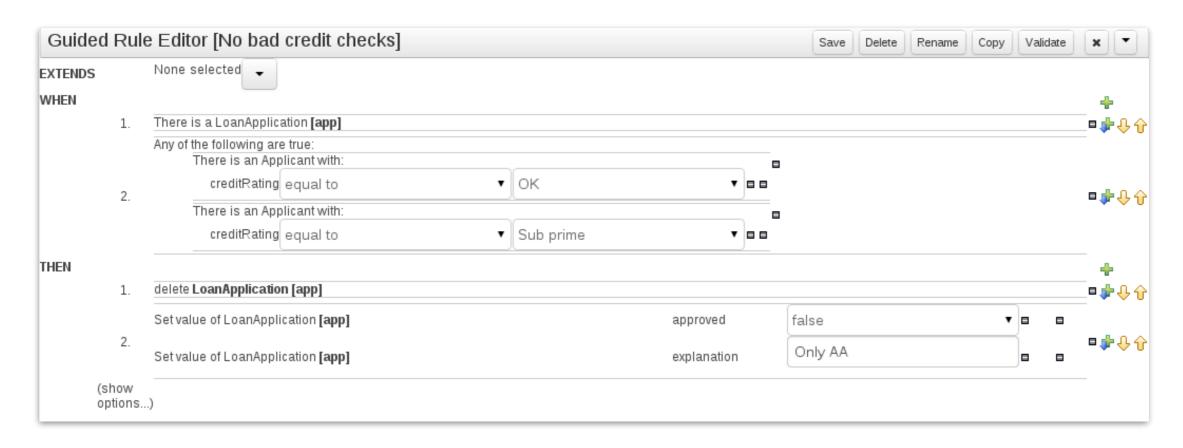


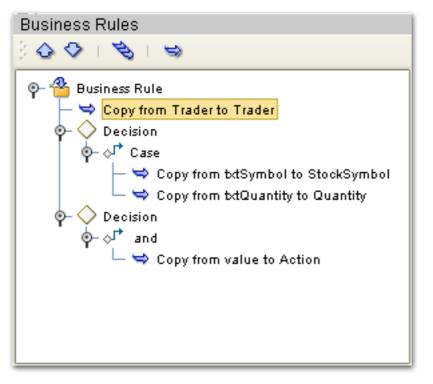


- ➤ Business User
 - ➤ Excel
 - ➤ Web-based tools
 - ➤ Wants a GUI

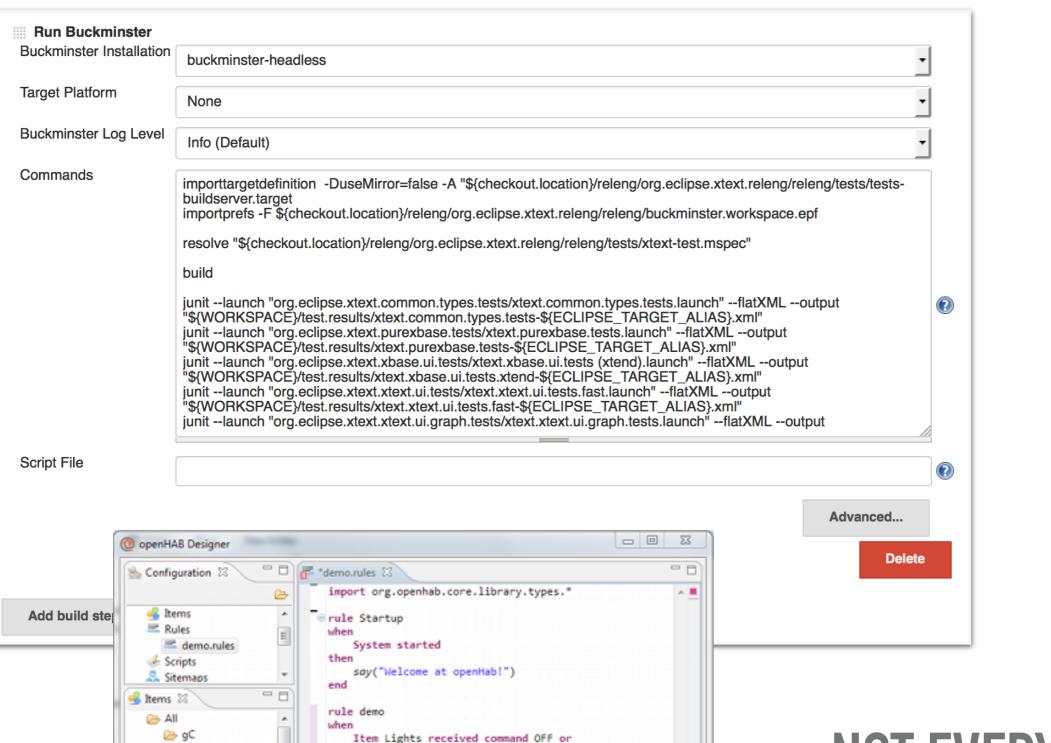


NOT EVERYTHING IS A TABLE...





...NOT ALL GUIS CUT IT...



Command Event Trigger - Template for a command tri

State Changed Trigger - Template for state change trigger

State Updated Trigger - Template for state update even

Ctrl+Space to show shortest proposals

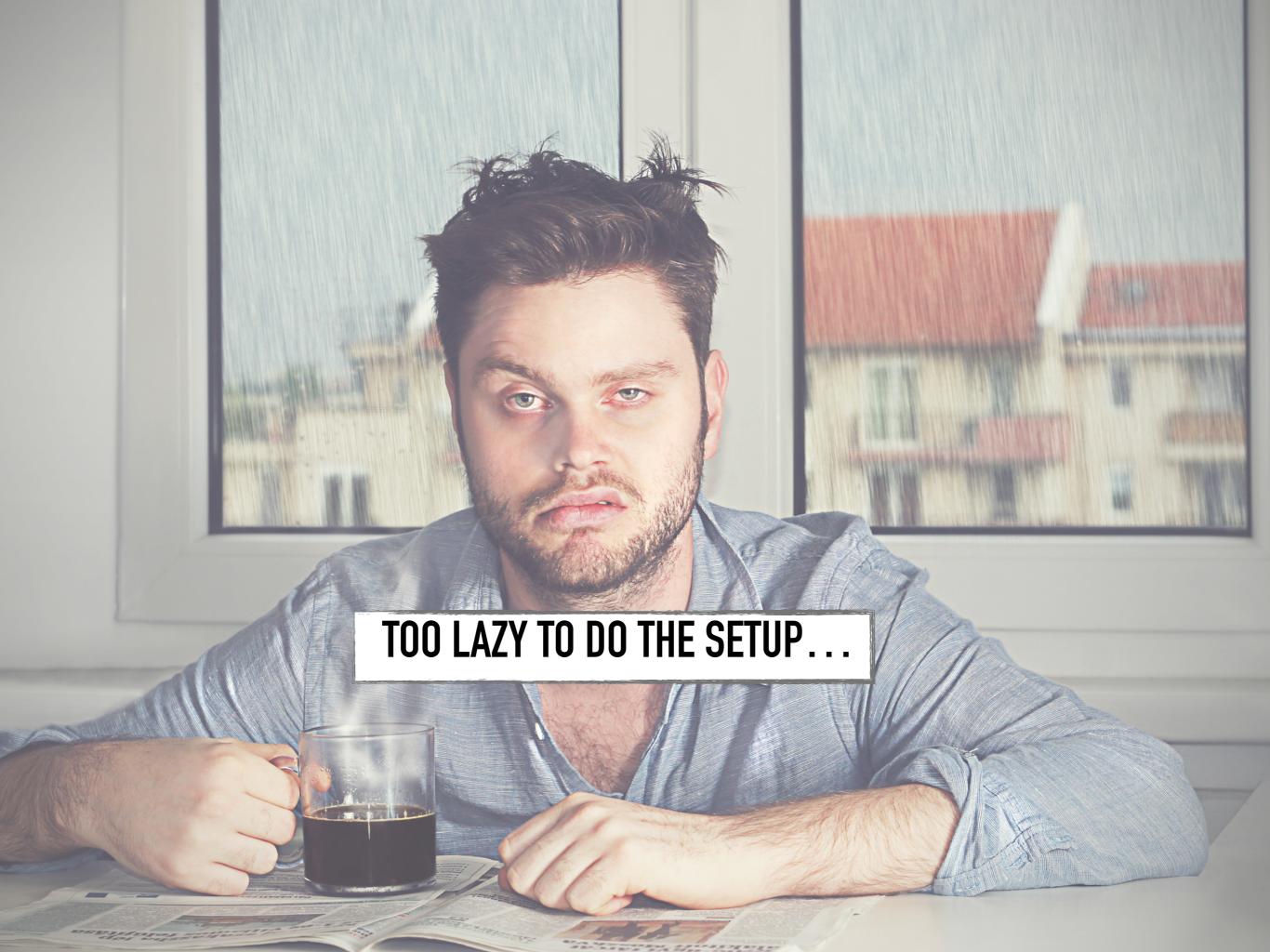
Heating
Lights

Outdoor

Shutters
Status

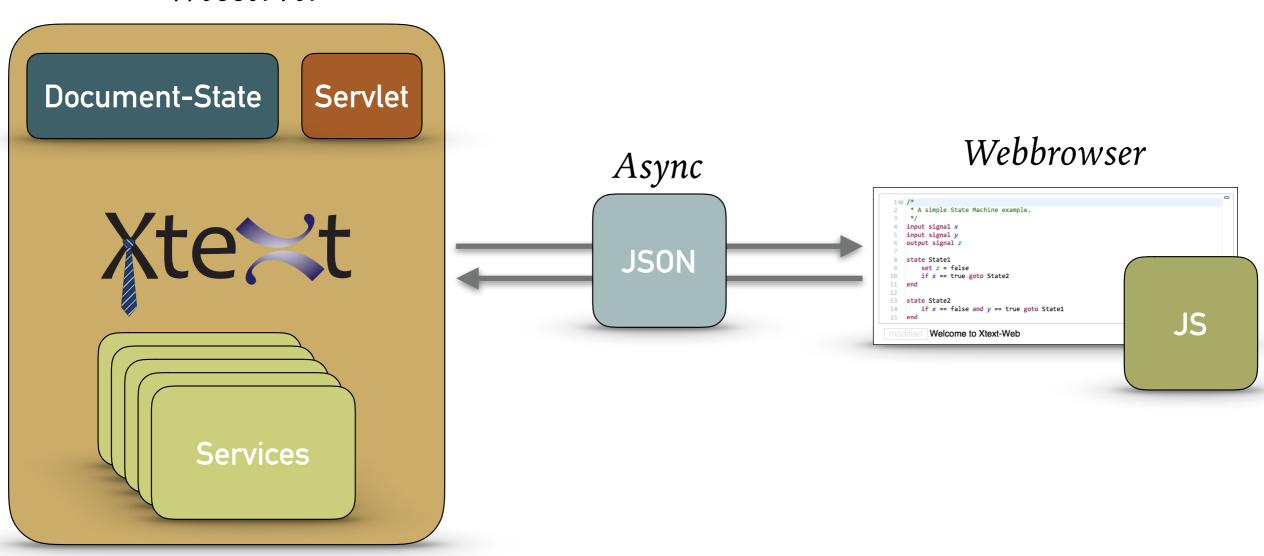
Weather

...NOT EVERY CONFIG IS DECLARATIVE



ARCHITECTURE

Webserver



XTEXT IN THE WEB

- ➤ Simple servlet-based architecture
 - ➤ No Eclipse on server
 - ➤ Exchange deltas or complete documents
 - ➤ Use file storage on server or stateless
- Single sourcing
 - New project wizard
 - ➤ Common parts in *.ide plug-in
- ➤ Gradle or Maven build

SUPPORTED EDITOR FRONTENDS



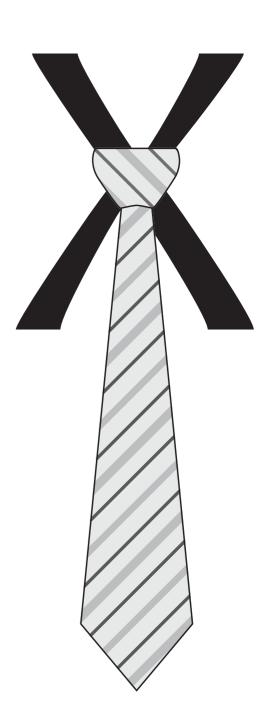
CodeMirror



ORION

SUPPORTED FEATURES

- ➤ Executed on client-side
 - ➤ JavaScript based editor widget
 - Syntax highlighting
 - ➤ Bracket matching (Orion)
 - ➤ Contact server for more elaborate services



SUPPORTED FEATURES

- ➤ Server-side
 - ➤ Validation
 - ➤ Content assist
 - Semantic highlighting
 - ➤ Hover (Orion)
 - ➤ Generator
 - ➤ Mark occurrences
 - ➤ Formatting



DEMO