Who's that guy?
Why in the Web???
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...
...NOT EVERY CONFIG IS DECLARATIVE
TOO LAZY TO DO THE SETUP...
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

Ace

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