



XVII.
Community
Meeting

CaptainCasa

Creation of PDF

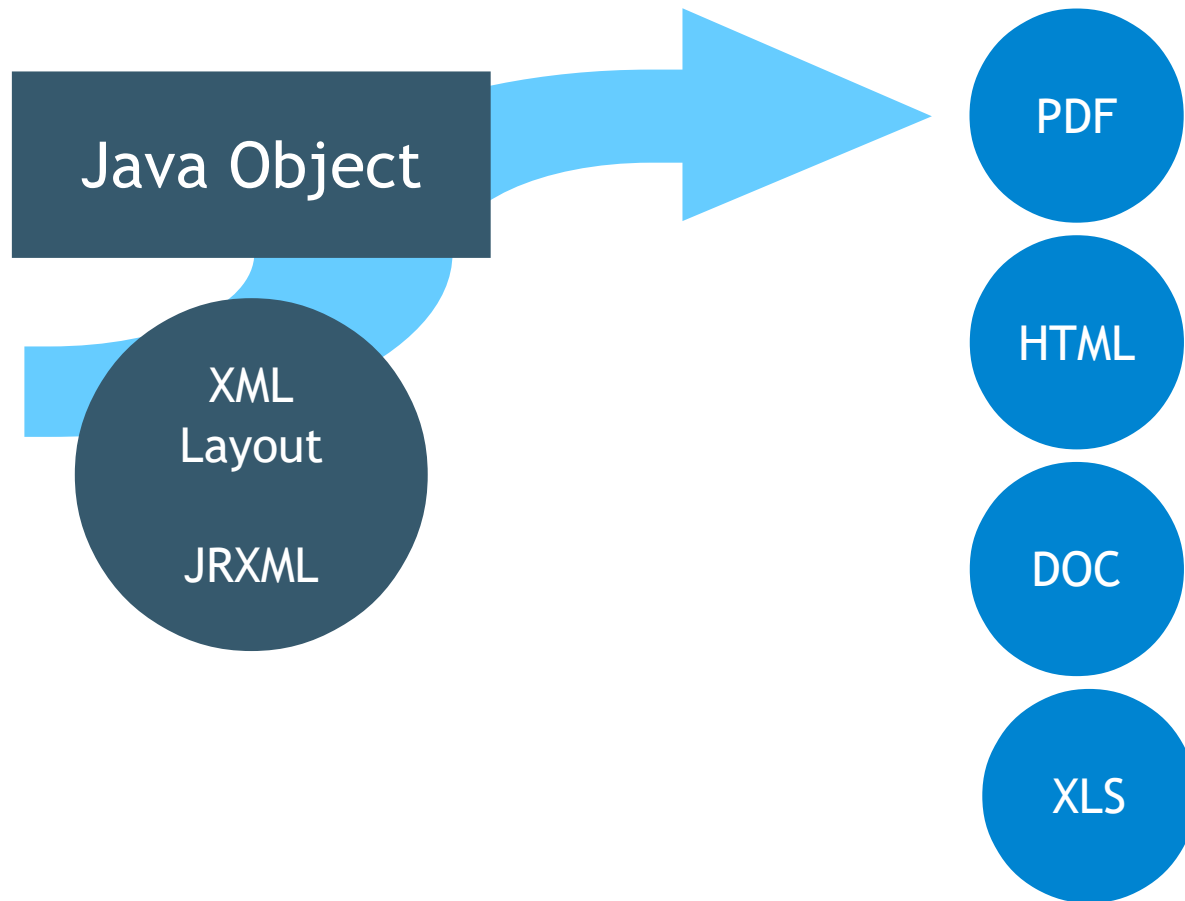
Focus: operational documents

- How to create operational business documents
 - Invoice
 - Order
 - Shipping document
 - Employee card

Options

- Java libraries
 - Apache PDF Box
 - Too low level
 - Eclipse BIRT
 - Last update 2016
 - JasperReports
 - Free base version, still active
 - Free Eclipse editor
 - Commercial offering for extended suite

JasperReports



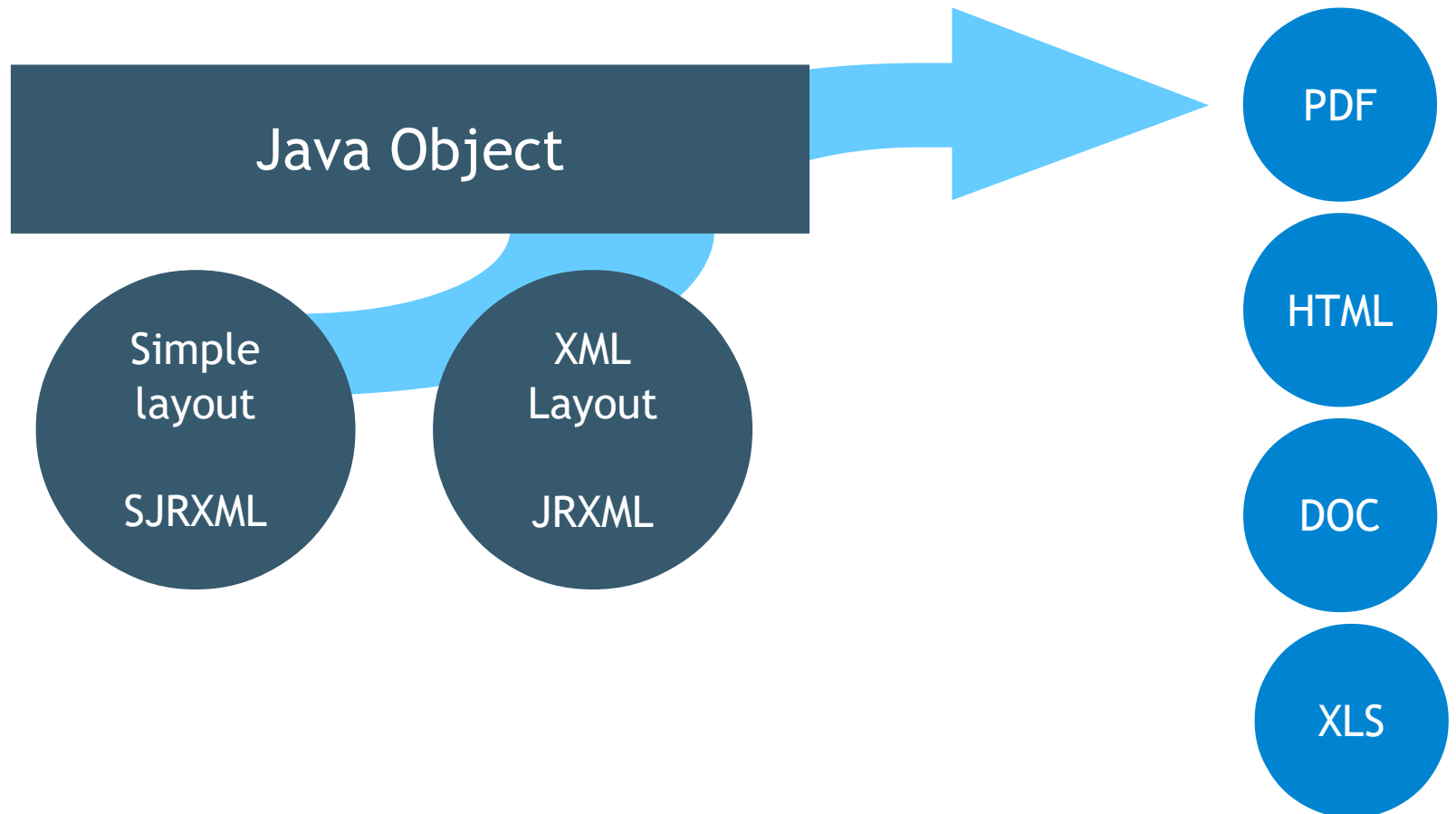
Great engine! - But...

- SJRXML
 - You can do „everything“!
- But
 - SJRXML is not human readable/editable
 - Editors are available but only for non-Web

Solution - Part 1

- Have some simple environment for editing PDF forms
 - Based on JasperReports
 - With some simplification layer in front
 - With some graphical editor for arranging controls
 - Based on HashMap structured data

Solution - Part 1



Problem

- Data in Map never fits to needs
 - Creating a PDF form is not only assigning „positions“ to existing data...
 - Navigate to data which is „out of scope“
 - Dynamically create data

Solution - Part 2

- Have a „Dynamic Data Definition“ in which the user can dynamically defined the content of the Map
 - Execute SQL
 - Add own „dynamic properties“

Solution - Part 2

- SQL Navigation
 - Use of our JEE persistence framework
- Dynamic property creation
 - No Java Code! - Must be added at runtime without re-deployment!
 - Integrating JavaScript into Java is super simple