

Runnable Specifications with RX Method

Toni A. Bünter

OOIT.com AG

June 11, 2009

1 Runnable Specifications with RX Method

- Mission

2 RX Method in a Nutshell

- Overview
- RX Definitions
- RX Runtime
- RX Address Screen-shots

3 References

4 Demo

5 Goodbye

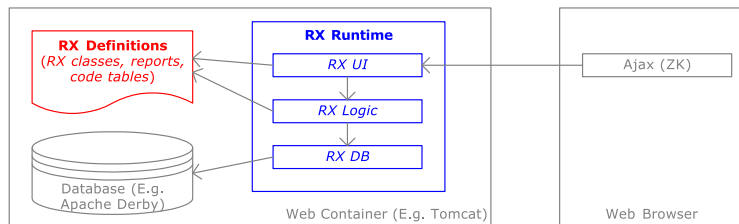
Mission

The goal of *RX Method* is a dramatic increase of developer productivity. *RX Method* offers a language and a runtime system which enables to write *runnable specifications* instead of 'regular' program code.

We believe that *RX Method* reduces risk, efforts and costs of building business and administration applications.

Overview

RX Method contains a specification language *RX Definitions* and a runtime (Java web application) *RX Runtime*.



RX Definitions

Features

- Object oriented (RX classes)
- Multiple inheritance, abstract classes
- Attributes with various types
- Access control specification on object or attribute level
- Searchable, mandatory, four eyes approval of data
- Multi-lingual names, labels and descriptions
- Built-in history of values

RX Definitions

Person Example

```
<def moid="Person" version="1.0">
  <name>Person</name>
  <description>Person, a natural human being</description>

  <accessRoles create="SALES" write="SALES"
    read="ALL" delete="ADMIN" />

  <attributes>
    <attribute name="firstName">
      <label>First name</label>
      <label lang="de">Vorname</label>
      <type>
        <string maxchars="64" />
      </type>
      <searchable />
      <mandatory />
    </attribute>
  ...
```

RX Definitions

UI Features

- Simple 'attribute on page' definitions
- User interface widget hints and properties
- Edit, view and synopsis definitions

RX Definitions

UI Person Example

```
<editUI>
<page>
  <label>Person Data</label>
  <label lang="de">Personalien</label>
  <control attref="firstName" />
  <control attref="middleName" />
  ...
</viewUI>
<page>
  <label>Person Data</label>
  <label lang="de">Personalien</label>
  <view attref="firstName" />
  ...
</synopsisUI>
<view attref="lastName">
  <property name="maxcols">34</property>
</view>
```

RX Runtime

Features 1/2

- Java Enterprise application (Web application)
- Pure Java
- RX UI (User interface: search, view, edit)
- RX Logic (Access control, events, check-in/out)
- RX DB (Persistence layer, generic relational database)

RX Runtime

Features 2/2

- Web browser is client
- Ajax ZK (www.zkoss.org) for rich client features
- Pluggable UI
- Code generation from RX Definitions
- Direct (user interface free) usage of RX Logic
- Pluggable security (JAAS, public web, member users)

RX Address Screen-shots

Search (Home)



RX Address

Search (Home) Recent... New Data Reports Help

Search

Search Text

To Be Approved

Search Result :: found 7 elements

Sizemore	Tom
Roca	Tom
Byron	Tom
Hanks	Tom
Cruise	Tom
Jones	Tommy
Patommel	Roswitha

WEB_USER / WEB_ROLE

RX Address Screen-shots

View Person



Address DB with RX

Search (Home) Recent... New Data Help

Person : Foster, Jodie (APPROVED)

Nr.:1016 created:2009-04-29 18:03 by:WEB_USER; modified:2009-04-29 18:04 by:WEB_USER stat:APPROVED

Person Data	Adresse
First name [M]	Jodie
Middle name	
Last name [M]	Foster
Birthday	
Citizenship	UNITED STATES
Gender/Sex	female

Edit Close

WEB_USER / WEB_ROLE

RX Address Screen-shots

Edit Person



Address DB with RX

Search (Home) Recent... New Data Help

Person

Nr.:1016 created:2009-04-29 18:03 by:WEB_USER; modified:2009-04-29 18:04 by:WEB_USER stat:APPROVED check out by:WEB_USER

Person Data	Adresse
First name [M]	Jodie
Middle name	
Last name [M]	Foster
Birthday	
Citizenship	UNITED STATES
Gender/Sex	female

Revert to Saved Save Save and close Delete Close

WEB_USER / WEB_ROLE

RX Address Screen-shots

Edit Address



RX Address

Search (Home) Recent... New Data Reports Help

Person

Nr: 1016 created: 2009-04-29 18:03 by: WEB_USER; modified: 2009-05-12 11:12 by: WEB_USER stat: APPROVED check out by: WEB_USER

Person Data Address

Street	<input type="text" value="Sunset 123"/>
City	<input type="text" value="San Francisco"/>
ZIP	<input type="text" value="123123"/>
State	<input type="text" value="CA"/>
Country	<input type="text" value="UNITED STATES"/>
Phone(s)	<input type="text" value="12121212"/>
	<input type="text" value="12121212"/>
	<input type="button" value="Add"/>
Fax	<input type="text" value="12121212"/>
Emails	<input type="button" value="Add"/>
URLs	<input type="button" value="Add"/>

WEB_USER / WEB_ROLE

References

RX Method - is it used?

RX Method is successfully applied and in productive use by:

- Infringer Management and Collaboration (Law Firm)
- Product, IP, Contract and Infringer Management (International Manufacturer Company)
- CRM (OOIT.com AG - Eating our own Dogfood :-)
- CRM (Zerodollarshop.com)
- Content Management (Undisclosed)

Upon personal contact, more detailed reports on references are given.

Demo

RX Address

Demo ...

Thank you and Goodbye

Thank you for your attention and good luck with your projects!



www.ooit.com/rx