



Leading Open Source SOA

ebm

WEBSOURCING

Open Suit Service Oriented User Interface

Pierre Smeyers, EBM Websourcing
Gaël Blondelle, EBM WebSourcing



- SUIT stands for
 - "Simple UI Toolkit"
 - "SOA UI Toolkit"
- Rapid development of
 - Presentation layers (from 50% to 10% of dev time)
- Dedicated to SOA
 - Automatic generation of UI from service descriptions (WSDL)
- Conforming to Quality criteria
 - Accessibility
 - Standard validation
- Fostering best practices adoption
 - Productivity
 - Ergonomic
 - Validation (build-time) of UI descriptions (integrated in Eclipse)



- Objective
 - To quickly expose services to the end-user
- Open Suit approach
 - An XML dialect
 - A runtime framework
 - ➔ Instantiation of a high quality, standardized user interface,
 - ➔ respects W3C standards for HTML, CSS and even accessibility
- Open SUIT tooling
 - Eclipse tooling to eases application development
 - Dev time interface validation
 - Missing resources
 - Bad matching with Java Objects



- Already applied to several projects
 - With a large set of screens and features
 - Even with distributed teams
- Three projects at France Telecom
 - In production
 - Thousands of users
- Two projects at EBM WebSourcing
 - Dragon Governance platform
 - New Petals Web Console



- First version is ready
 - Documentation available
- Next steps are
 - Integration in portals : ability to develop a portlet with Open SUIT
 - More SOA oriented tooling : design user interfaces from WSDL
 - More Eclipse Tooling, up to graphical frame designer.



- Open SUIT already used in
 - Dragon
 - PEtALS Web Console
- Collaboration planned with eXo Platform
 - New way to develop portlets for services
- Collaboration possible with Accelleo
 - Generation of Open SUIT applications from models



```

<base:html:table:Table ID="table" SortAndPaginateLocally="true">
  <ResultsPerPage>${20}</ResultsPerPage>
  <RowsData>${books.books}</RowsData>
  <Columns>
    <base:html:table:TextColumn>
      <Title>Title</Title>
      <Sort><base:html:table:NativeSorter/></Sort>
      <Text>${$row.title}</Text>
      <!-- "Clickability" is enabled here -->
      <OnClick>
        <base:action:ShowPage Name="ViewEditBook">
          [...]
        </base:action:ShowPage>
      </OnClick>
    </base:html:table:TextColumn>
    <base:html:table:TextColumn>
      <Title>Author</Title>
      <Sort><base:html:table:NativeSorter/></Sort>
      <Text>${$row.author}</Text>
      <OnClick>
        [...]
      </OnClick>
    </base:html:table:TextColumn>
    <base:html:table:TextColumn>
      <Title>Languages</Title>
      <Text>${$row.languages}</Text>
    </base:html:table:TextColumn>
    <base:html:table:DateColumn Type="DateOnly">
      <Title>First Edited</Title>
      <Date>${$row.editionDate}</Date>
    </base:html:table:DateColumn>
    <base:html:table:TextColumn>
      <Title>Nb of copies (millions)</Title>
      <Text>${$row.copies}</Text>
    </base:html:table:TextColumn>
  </Columns>
</base:html:table:Table>

```



```

<base:html.form.EditForm ID="edit">
  <Items>
    <base:html.form.field.TextField>
      <Label>Name contains</Label>
      <Bind>${form2.text1}</Bind>
    </base:html.form.field.TextField>
    <base:html.form.field.DateField Type="DateOnly">
      <Label>Created after</Label>
      <Bind>${form2.date1}</Bind>
    </base:html.form.field.DateField>
    <base:html.form.field.DateField Type="DateOnly">
      <Label>Created before</Label>
      <Bind>${form2.date2}</Bind>
    </base:html.form.field.DateField>
    <base:html.form.field.SingleChoiceField Type="RadioButtons">
      <Label>Lock status</Label>
      <Bind>${form2.choicel}</Bind>
      <Items>
        [...]
      </Items>
    </base:html.form.field.SingleChoiceField>
  </Items>
  <SubmitButtonLabel>Search</SubmitButtonLabel>
  <OnSubmit>
    <base:action.Inform>
      <Title>Not implemented</Title>
      <Message>Not implemented</Message>
      <OnOk>
        <base:action.ReloadThisPage/>
      </OnOk>
    </base:action.Inform>
  </OnSubmit>
</base:html.form.EditForm>

```



Thank you for your attention