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Webinar 26.11.2008

Widgets
Office
Remote
Monitoring
Enterprise
Services
MVC
Authentication
Distributed
Navigation
Client
Provisioning
End User
Authorization
SWT
Enhanced
Integration
Support
Ridgets

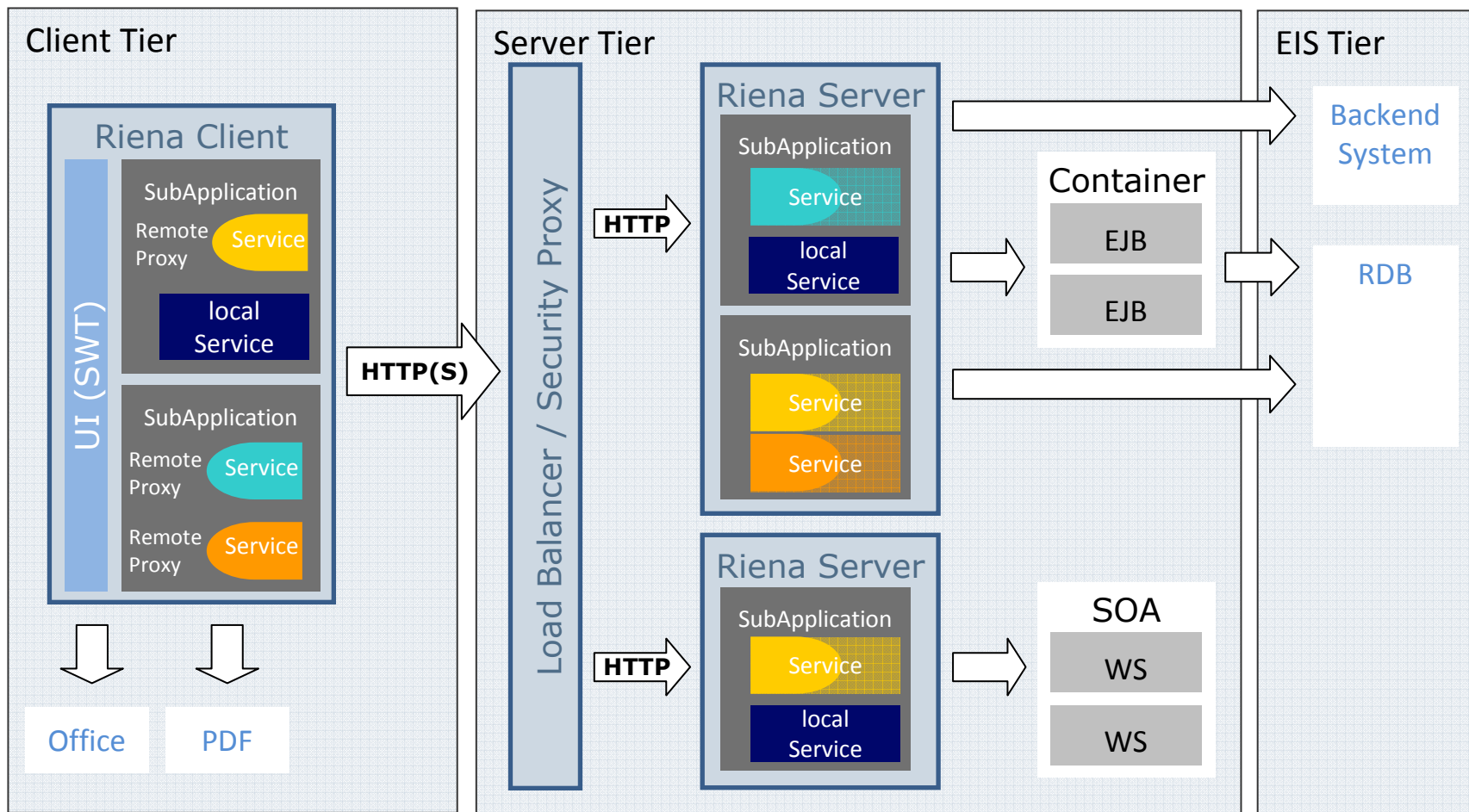


Riena Goals



- Client / Server Apps
- Based on OSGi / Equinox
- „Enterprise ready“
- Enduser focused Navigation Concept
- Service Oriented

Riena Architecture



Services & Extensions



i.e. „Activator“

```
Inject.service(IYourService.class).into(target).andStart(context);
```

„target“

```
public void bind(IYourService service) {  
    this.service = service;  
}  
  
public void unbind(IYourService service) {  
    this.service = null;  
}
```

- **fluent** API
- **dependency injection**
- **unbind** if
 - service stops
 - context stops
 - injector is stopped
- „**useRanking**“ == service with highest rank

„examples“

- `Inject.service(„o.e.r.ICustomerSearch“).useRanking().into(target).andStart(context);`
- `Inject.service("o.e.r.ISomeService").useFilter("(remote=true)").into(target).andStart(context);`
- `Inject.service("o.e.r.ISomeService").into(target).bind("register").unbind("unregister").andStart(context);`

Services & Extensions



i.e. „Activator“

```
Inject.extension(„riena.nav.subModule“).into(target).andStart(context);
```

„target“

```
public void update(ISubModuleExtension[] data) {  
    this.data = data.clone();  
}
```

- **fluent** API
- **prefix** driven
 - get, is, create
- **lazy** proxy
- **@MapName**(„xxx“)
- **„useType“** method

@ExtensionInterface

```
public interface ISubModuleExtension {  
    IController createController();  
    boolean isShared();  
    String getView();  
    Bundle getContributingBundle();  
    String getTypeId();  
}
```

Extension

```
<extension point="riena.nav.subModule">  
    <subModule  
        typeId="o.e.r.e.customer"  
        view="o.e.r.e.c.v.CustomerView"  
        controller="o.e.r.e.c.c.CustomerController"  
        shared="false">  
    </subModule>
```

XML to Java

Remote Services



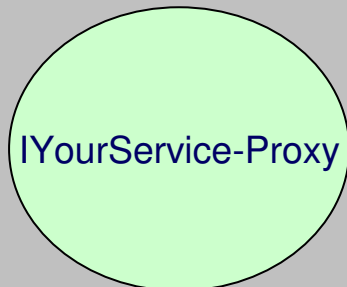
SERVER

i.e. „Activator“

```
context.registerService(IYourService.class.getName(), new YourService(), null);
```

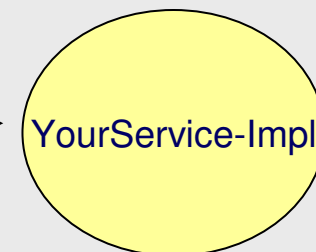
```
Publish.service(IYourService.class).usingPath(„/YourService“).withProtocol(„hessian“)  
.andStart(context);
```

OSGi Service „IYourService“



IYourService-Proxy

OSGi Service „IYourService“



YourService-Impl

Web Service Endpoint

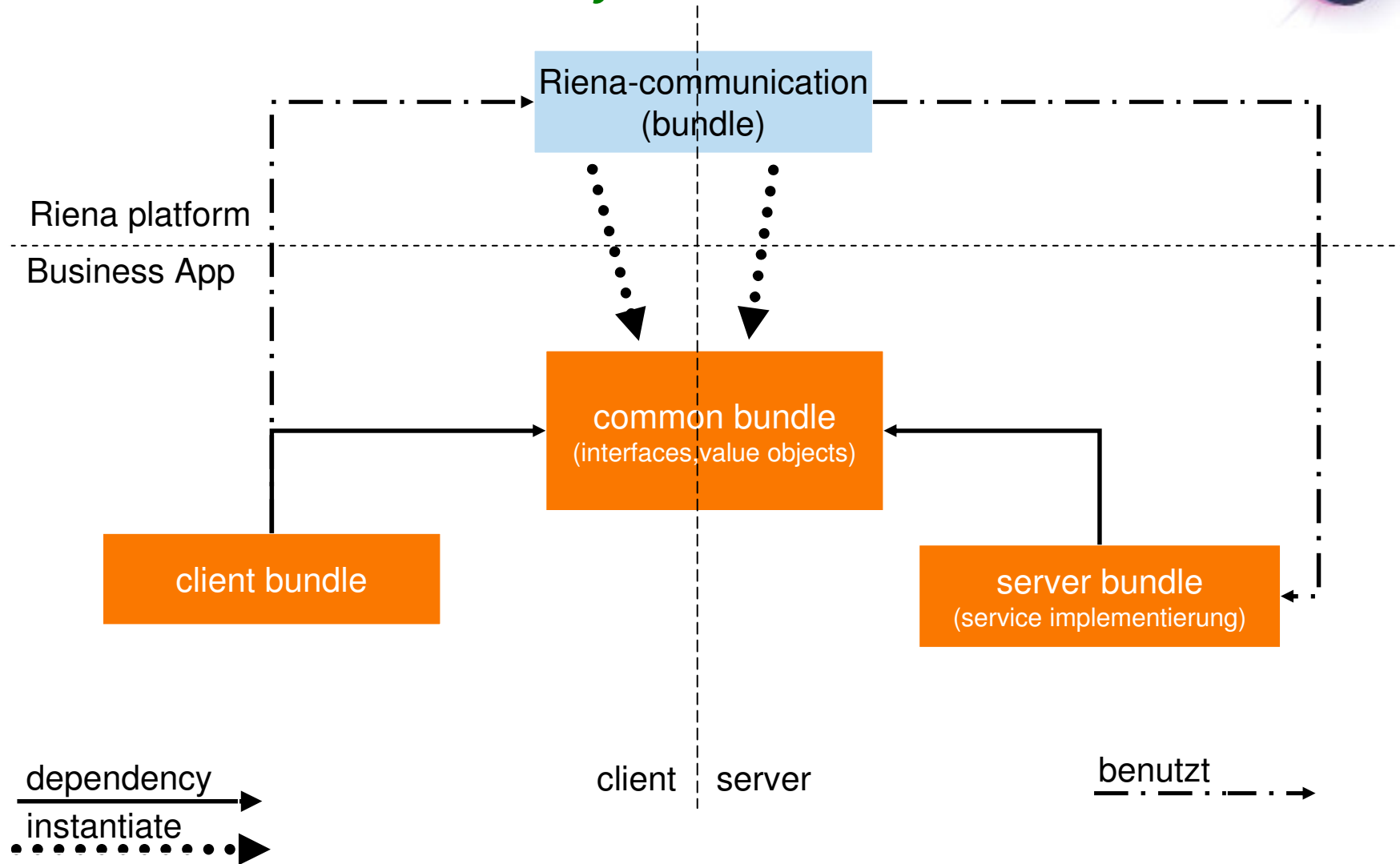
„http://host/hessian/YourService“

i.e. „Activator“

```
new RemoteServiceFactory().  
createAndRegisterProxy(IYourService.class, „http://host/hessian/YourService“, „hessian“)
```

CLIENT

Web Services & Buddy's





Web Service und Buddy's

MANIFEST.MF

```
Manifest-Version: 1.0
Bundle-ManifestVersion: 2
Bundle-Name: org.eclipse.riena.communication.core
...
Require-Bundle: org.eclipse.core.runtime,
...
Eclipse-BuddyPolicy: registered
```

riena-communication.core
(bundle)



MANIFEST.MF

```
Manifest-Version: 1.0
Bundle-ManifestVersion: 2
Bundle-Name: Base Sample Plug-in
...
Require-Bundle: org.eclipse.riena.communication.core,...
Eclipse-RegisterBuddy: org.eclipse.riena.communication.core
```

common bundle
(interfaces,value objects)

instantiate



Remote Service Demo

Nomad PIM - July 22, 2006 (Week 29/2006)

File Activity Date Window Help

Time Eval... Standard

A, Friend my first note

Name
A, Friend

Information
some additional information like the telephone number or the email address can be written down here

Birth Date
Apr 7, 1964

Worktimes
7/22/06 2:42:32 PM -

Calendar
July 2006

S	M	T	W	T	F	S
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Week Overview
2nd view

Description	Tasks
▼ Nomad PIM	0 / 1
▼ Release	0 / 1
7/22/06	0 / 1
▼ some category	0 / 1
▼ another event	0 / 1
7/22/06 4:00 PM	0 / 1

Workarea
this is an area where some short notes can quickly be written down

Current Activities
7/22/06 Nomad PIM: Release

New
Select a wizard
Create a new task

Wizards:
type filter text

- Contacts
- Money
- Notes
- Schedule
 - Event
 - Task**
- Timetracking

7/22/06 Nomad PIM: Release

Main Timetracking Versions

7/22/06 4:00 PM some category: another event

Main Timetracking Versions

Description
some category: another event

Date
7/22/06 4:00 PM

Data

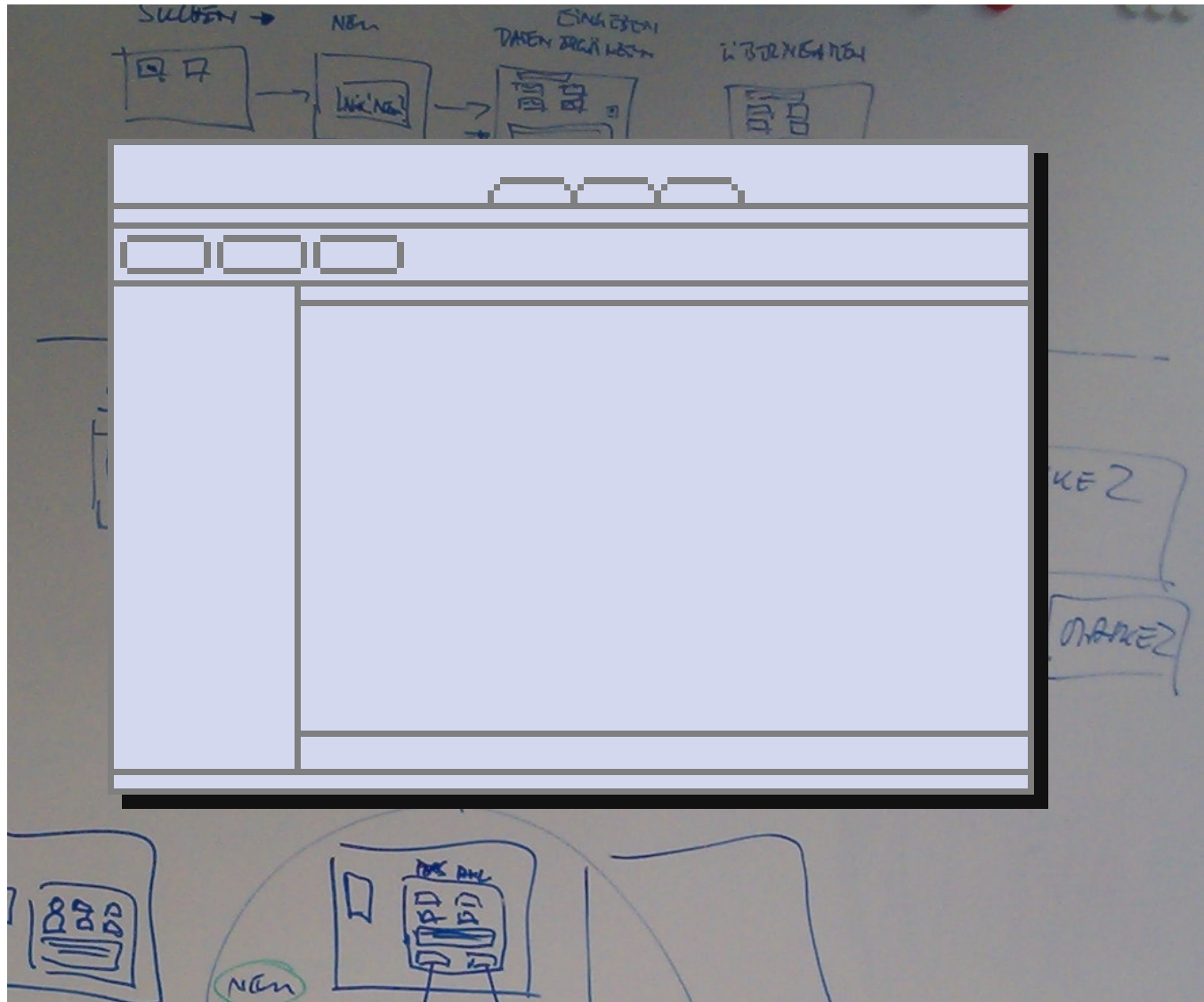
Finished
 Event is finished

Main Timetracking Versions

Schedule List of Spent Times

Date	Type	Description	Category
7/22/06	Task	Release	Nomad PIM:
7/22/06 4:00 PM	Event	another event	some category:
7/23/06 3:00 PM	Event	an event on another day	
4/7/07	Birthday	A, Friend (43 years)	

Navigation Concept



Navigation Concept



Subapplication

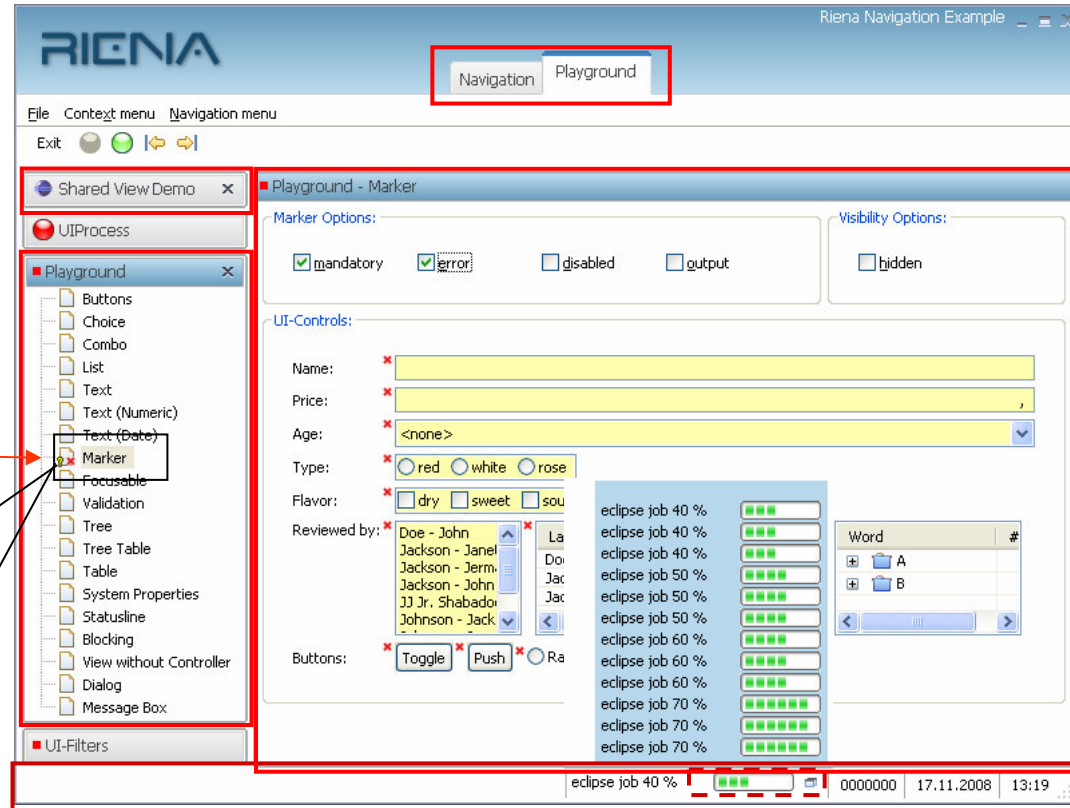
Module (closed)

Module (open)

Submodules
(one is active)

Work Area

Statusbar



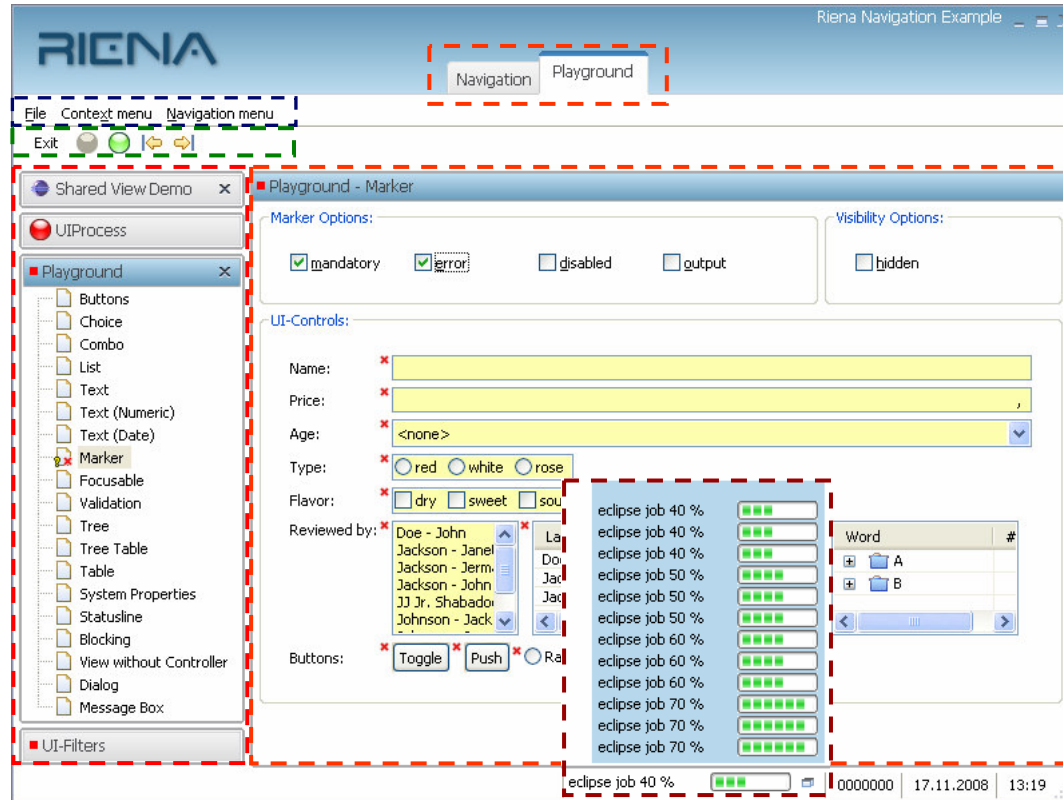
Jobs Progress

Navigation Concept (RCP based)



Perspective
Menubar
Coolbar

RCP-View
based on
Application
Model



RCP-View

+

Controller

with

- SWT-Widgets
- JFace Databinding
- Validators
- etc

Eclipse Jobs



Riena Demo UI

Riena – there is more



- UI
 - NodeBuilder
 - Validation, Converters
 - UIFilter
- Remote Services
- Security
- ObjectTransaction
- Logging, ExceptionHandling
- Stages

Riena Future - UI



The screenshot displays the DVAG Online-System interface with a calendar window open. The calendar shows a weekly view for the week of February 11-17, 2008. The interface includes a sidebar with navigation options like 'E-Mail', 'Kalender', and 'Kontakte'. The calendar grid shows various events such as 'Urlaub', 'Kundenbesuch', 'Aufgabe Telefo', 'Aufgabe Konte', 'Besprechung E', 'Schnutz, Tamar', 'Berg, Frank LV', 'Schmid, Christie', 'VM-Schulung', 'Verkaufstraini', 'Arbeitsstreffen', and 'VBA-Schulung'. The system name 'DVAG Online-System' and the user name 'Klaus Schultze' are visible at the top of the windows.

Time	Mo, 11. Feb.	Di, 12. Feb.	Mi, 13. Feb.	Do, 14. Feb.	Fr, 15. Feb.	Sa, 16. Feb.	So, 17. Feb.
10:00	Urlaub 10:00 - 19:00		Aufgabe Telefo		Aufgabe Konte	Besprechung E 10:00 - 12:00	
11:00				Walter, Cedric E 11:00 - 13:00	Golfturnier (Go 10:00 - 16:00)		
12:00		Kundenbesuch 12:00 - 12:45					
13:00						Schnutz, Tamar 13:00 - 14:30	
14:00			VP mit AdA Inte 14:00 - 15:00				
15:00				Grahner, Wern 15:00 - 17:00			
16:00						Berg, Frank LV 16:00 - 17:30	
17:00			Auto von Inspe				
18:00					Besprechung E 18:00 - 19:00		Schmid, Christie 18:00 - 19:00
19:00			VM-Schulung (19:00 - 20:00	Verkaufstraini 19:00 - 20:30		Arbeitsstreffen 19:00 - 20:00	VBA-Schulung 19:00 - 20:30
20:00					Klaus Gerber, I 20:00 - 21:00		

Riena Future – non UI



- Release 1.0 Beginning 2009
- Enterprise Provisioning based on P2
- Distributed Aspect for...
 - Client Monitoring
 - Persistence
 - Reporting
- many more