



Profile-Direct Teller

Real-time Core Banking on Eclipse RCP

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[Requirements]

- Rapid Application Development
 - Leverage an Application Framework
- Client Customization
- Ease of Deployment
- Desktop Performance
- Device Integration
- Offline Support

[Eclipse RCP Benefits]

- OSGi Bundles/Plug-ins
- Application Framework
 - Workbench, Perspective, Actions, etc.
- SWT Performance
- Product Branding
- WebStart Deployment



- Deposit Funds
- Withdraw Funds
- Transfer Funds
- Loan Payment
- Loan Disbursement
- Loan Payoff
- Credit Card Payoff
- Official Check
- Advanced Transactions
- Reverse Transactions
- Transfer Cash
- Cash Checks

Deposit Funds

Account Number: 300000001227

Cash Check

Funds:

Amount: 100.00 USD

Deposit Amount: 100.00 USD

Overview Status

Deposit Funds

- Account Number: 300000001227
- Deposit Amount: 100.00
- Cash In - CI: 100.00

- Account Information
- Customer Information
- Account List
- Transaction List
- Errors

Current Balance:	8,088.25 USD	Attention Message:	
Check Holds:	0.00 USD	Account Name:	Statement Savings
Float Holds:	0.00 USD	Branch of Ownership:	Back Office
Permanent Holds:	0.00 USD	Interest Rate:	2.1500%
	8,088.25 USD	Date Opened:	12/31/2006
Customer Code:	0 - Rate Code Zero	Account Status:	Active
Account Relationship:	Single	Account Notes:	None
Account Title:	Joel Test	Account Restrictions:	None



- Chronological Activity
- Teller Totals
- Future Dated Trans Summary
- Teller PM Summary
- Cash Reconciliation
- Denom/Cash Count Summary
- Branch/Teller Cash
- Cash Trans By Denom

Welcome Chronological Activity Report

Balancing Date: 08/16/2008 08/16/2008 Branch: 0 - Back Office

Teller Id: 1 - General User Transaction Code:

Sequence From: Sequence To:

Amount From: Amount To:

Currency Code: USD - United States Dollars Comment:

Advanced Run Print

Bra...	Tel...	Date	Sequence	Transaction Code ...	Account	Amount	Curr	E..	PM	Comment
0 - B...	1 - ...	08/16/2...	1001	SD - Sav Deposit	300000001227	100.00	USD		No	
			1002	CI - Cash-In	11080	100.00	USD		No	
			2001	SD - Sav Deposit	300000001214	89.68	USD		No	
			3002	DD - DDA DEPOSIT	400000001215	89.68	USD		No	test
			4001	CI - Cash-In	30166	100.00	USD		No	
			4002	SD - Sav Deposit	300000001214	100.00	USD		No	
			5001	RA - Disbursement	600000001841	500.00	USD		No	WebCSR Funds Transfer
			5002	DD - DDA DEPOSIT	400000001837	500.00	USD		No	WebCSR Funds Transfer
			6001	SD - Sav Deposit	300000001227	100.00	USD		No	
			6002	CI - Cash-In	11080	100.00	USD		No	
			7001	SD - Sav Deposit	300000001214	200.40	USD		No	
			8002	RPOC - Payoff - Clo...	600000001706	1,044.75	USD		No	

[Plug-in Design]

- `com.fnis.pd.teller`
 - Product configuration and customization
 - `com.fnis.client_name.teller`
- `com.fnis.pd.teller.base`
 - RCP and core teller application code
- `com.fnis.pd.core`
 - Data access beans and managers
- `com.fnis.jdbc`
- `com.epson.pos`
 - Epson device code

[Extension Points]

- RCP Extension Points
- Eclipse-Spring Plug-in

Extensions

All Extensions

Define extensions for this plug-in in the following section.

- org.eclipse.ui.actionSets
- org.eclipse.ui.bindings
- org.eclipse.ui.commands
- org.eclipse.ui.editors
 - Advanced Editor (editor)
 - Deposit Editor (editor)
 - Interest Payment (editor)

Add...

Edit...

Up

Down

Extension Element Details

Set the properties of "editor". Required fields are denoted by "**".

class:

default:

icon:

id:

name:

Spring Bean Management

```
2<beans>
3
4  <bean id="hostConnectionChoiceDialog" class="com.fnis.pd.teller.view.HostConnectionChoiceDialog">
5    <constructor-arg><value>host-selection.properties</value></constructor-arg>
6  </bean>
7
8  <bean id="connectionString" class="org.springframework.beans.factory.config.MethodInvokingFactoryBean">
9    <property name="targetObject"><ref local="hostConnectionChoiceDialog"/></property>
10   <property name="targetMethod"><value>prompt</value></property>
11 </bean>
12
13 <bean id="navigationView" class="com.fnis.pd.teller.view.NavigationView">
14   <property name="navigationActionFactories">
15     <list>
16       <ref bean="depositAction"/>
17       <ref bean="withdrawalAction"/>
18       <ref bean="transferAction"/>
19       <ref bean="loanPaymentAction"/>
20       <ref bean="loanDisbursementAction"/>
21       <ref bean="loanPayoffAction"/>
22       <ref bean="creditCardPayoffAction"/>
23       <ref bean="officialCheckAction"/>
24       <ref bean="advancedEditorAction"/>
25       <ref bean="reversalEditorAction"/>
26       <ref bean="transferCashAction"/>
27       <ref bean="cashChecksAction"/>
28     </list>
29   </property>
30 </bean>
31
32</beans>
```


[Challenges]

- Plug-in Configuration Learning Curve
 - Require-Bundle: *visibility*
 - Eclipse-BuddyPolicy:
 - Eclipse-RegisterBuddy:
- WebStart and OSGi
- SWT
 - Custom Widgets

[TUPperware]

- Teller Unification Project (TUP)
- Merging Functionality and Application Frameworks onto Eclipse RCP
 - AWT SWT Integration
- Moving to Spring Dynamic Modules
 - Spring and OSGi integration
- 3.3 to 3.4
 - Forms API
 - Databinding
- Integration with a Service-Oriented Architecture

[Questions?]

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