WOWODC °011

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Custom and Embedded D2W

Mixing Direct to Web into existing WO apps

Dashboard Demo

Why?

- Reduce component 'explosion'

- CRUD functionality

- Property sorting

- Property grouping

- Display group management

- Localization

- ...and more!

How?

Classpath

- JavaDirectToWeb.framework

- JavaDTWGeneration.framework

- EOProject.framework

- ERDirectToWeb.framework

- Your favorite 'Look' framework

Resources

- d2w.d2wmodel

- user.d2wmodel (optional)

- Localized.lproj folders (optional)

Additional D2W Model Names

- er.directtoweb.ERD2WModel.additionalModelNames=(blah.d2wmodel)

Code

- PageWrapper.wo
- ERD2WDirectAction subclass (recommended)
  - Override allowPageConfiguration()

Custom Page Wrapper Name

- 0 : frame = 0 => pageWrapperName = "MyPageWrapper" [com.webobjects.directtoweb.Assignment]

Let's build one!

Embedded D2W

What are they?

Apple Components

- D2WEdit

- D2WInspect

- D2WList

- D2WQuery

- D2WSelect

WOnder Components

- D2WPick

- ERD2WQuery

- ERXD2WEditRelationship

- ERXD2WInspect

- ERXD2WList

- ERXD2WPick

- ERXD2WSelect

When do I use them?

How do I use them?

Embedded D2W List Bindings

```
ListMovie: ERXD2WList {
pageConfiguration = "ListMovie";
dataSource = movieDataSource;
displayKeys = "((movieInfo, title, category, rated,
dateReleased, revenue),(voteInfo, voting.numberOfVotes,
voting.runningAverage, castVote))";
}
```

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pageConfiguration Format

- Basic format is \<Task\>\<EntityName\>

- Entity parsed using ERXEOAccessUtilities.entityMatchingString()

- Longest matching entity name wins

pageConfigurations: Don't ...

- Don't start entity names with keywords found in the rule system: List, Contact, Tab, Wizard, Compare, Calendar, Group, etc...

- Don't use pageConfigurations containing two equal length entity names: MovieRole, RoleBased => ~~ListMovieRoleBased~~

displayKeys Format

- Documented! See ERD2WPage javadoc

- Two formats

displayKeys Format

("[tab1]", "(sectionA1)", "prop1", "prop2", "(sectionA2)", "prop3", "[tab2]", ...)

displayKeys Format

((tab1, (sectionA1, prop1, prop2), (sectionA2, prop3)), (tab2, ...))

Embedded D2W Examples

ActionPageDelegate

- Binding 'action' on an embedded component creates a delegate

- nextPageDelegate specified in the rule system is ignored

D2W Custom Components

What are they?

When do I use them?

Types of Custom Components

- Switches

- Wrappers

- Integrated

Switches

- D2WCustomComponent
- D2WCustomQueryComponent

Wrappers

- ERD2WEditString

- ERD2WEditToOneRelationship

- ERD2WEditToManyRelationship

Integrated

- ERDControllerButton

- ERDEditHTML

- ERDHasChangesMarker

Voting Demo

Q & A

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