Apache Isis CheatSheet

Supertypes (convenience)

in dom project:

public class SomeEntity
  extends AbstractDomainObject { }

public interface SomeRepository {}

public interface SomeDomainService {}

@Value(semanticsProviderClass=
    SomeValueSemanticsProvider.class)
public class SomeValue { … }

in objstore-default project:

public class SomeRepositoryDefault
    extends AbstractRepositoryAndFactory{}

in fixture project:

public class SomeFixture extends AbstractFixture {}

DomainObjectContainer (org.apache.isis.applib)

automatically injected into AbstractDomainObject, etc.

- newTransientInstance(SomeEntity.class)
- persist(), remove()

Configuration

isis.properties:

- isis.services / isis.services.prefix for services
- isis.fixtures / isis.fixtures.prefix for fixtures

images live in "images" package on classpath
(ie src/main/resources/images)

IDE Support

Code folding: com.cb.eclipse.folding_1.0.6.jar plugin

Templates: install templates/isis-templates.xml

Properties

isp - getFirstName() / setFirstName()

ispmod - modifyFirstName() / clearFirstName()

isphid -hideFirstName()

ispdis - disableFirstName()

ispval - validateFirstName(): String

ispcho - choicesFirstName(): List<String>

Collections

iscl - getOrders() : List

iscs - getOrders() : Set

iscmod - {addTo/removeFrom}Orders()

ischid - hideOrders() : Boolean

iscdis - disableOrders() : String

iscval - validate{AddTo/RemoveFrom}Orders

Actions

isa - placeOrder(X x, Y y, Z z)

isahid - hidePlaceOrder(): Boolean

isadis - disablePlaceOrder(): String

isaval - validatePlaceOrder(X x, Y y, Z z) : String

isacho - choices{0/1/2}PlaceOrder(): List<X/Y/Z>

isadef - default{0/1/2}PlaceOrder(): X/Y/Z

Other Methods

isds - inject repository / inject domain service

isidtitle - title()

isidicon - iconName()

Annotations (org.apache.isis.applib.annotations)

presentation hints:

- @MemberOrder
- @DescribedAs
- @Named
- @TypicalLength

domain constraints:

- @Hidden
- @Disabled
- @MaxLength
- @Optional
- @RegEx
- @MustSatisfy(SomeSpec.class)
- @NotPersistable
- @Immutable

Value Types

- 8 primitive types + wrappers, enums
- org.apache.isis.value
- custom, using @Value

Hints and Tips

- "see it, use it, do it" (ie hide / disable / validate)
- ispmod/iscmod for mutual registration pattern
- enums automatically provided choices
- powertype pattern
- mutual registration pattern
- use composite fixtures
- dates/times default from Clock.getInstance()
- LogonFixture / SwitchUserFixture / DateFixture