Apache Isis CheatSheet

Supertypes (convenience)

in dom project:

public class SomeEntity
  extends AbstractDomainObject { … }

public class SomeRepository
  extends AbstractFactoryAndRepository { … }

public class SomeDomainService
  extends AbstractService { … }

in fixture project:

public class SomeFixture extends AbstractFixture {}

DomainObjectContainer (org.apache.isis.applib)

is injected through AbstractDomainObject, etc.

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

Configuration

isis.properties:

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

icons live in src/main/resources/images

IDE Templates (Eclipse and IntelliJ)

http://isis.apache.org/intro/resources/editor-templates.html

Hints and Tips

- http://isis.apache.org/documentation.html
- "see it, use it, do it" (ie hide / disable / validate)
- Isis' applib domain services
- dynamic layouts in the Wicket viewer

Properties

isp - getFirstName() / setFirstName()

isp.jdo.* - getFirstName()/setFirstName() for JDO

ispmod - modifyFirstName() / clearFirstName()

isphid -hideFirstName()

ispdis - disableFirstName()

ispval - validateFirstName(): String

ispauto – autoCompleteFirstName(): Coll'n<String>

ispcho - choicesFirstName(): Collection<String>

Collections

iscl - getOrders() : List

iscs - getOrders() : Set

iscs.jdo.* – getOrders():SortedSet for JDO

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

isaauto – autoComplete{0/1/2}PlaceOrder(): Collection<X>, Collection<Y>, Collection<Z>

isacho - choices{0/1/2}PlaceOrder(): X/Y/X

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

Other Methods

isds - inject repository / inject domain service

isl* - lifecycle methods

isid* - title(), iconName()

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

presentation hints:

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

domain constraints:

- @Hidden
- @Disabled
- @MaxLength
- @Optional
- @RegEx
- @MustSatisfy(SomeSpec.class)
- @Immutable
- @javax.validation.Digits

Value Types

- 8 primitive types + wrappers
- BigDecimal, BigInteger
- JODA dates
- java.util.Date, java.sql.Date/Time/Timestamp
- org.apache.isis.value.*
- enums