***Supertypes*** (convenience)

***Apache Isis CheatSheet***

*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)](http://isis.apache.org/documentation.html#how-tos)
* [Isis’ applib domain services](http://isis.apache.org/documentation.html#domain-services)
* [dynamic layouts in the Wicket viewer](http://isis.apache.org/components/viewers/wicket/dynamic-layouts.html)

***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