

# Apache Isis CheatSheet

## Supertypes (convenience)

### in dom project:

```
public class SomeEntity
    extends AbstractDomainObject { }

public interface SomeRepository {}

public interface SomeDomainService {}

@Value(semanticProviderClass=
    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)

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

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()
ispm - 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

```
ids - inject repository / inject domain service
isdtitle - title()
isidicon - iconName()
```

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

presentation hints:

- @Title
- @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)
- ispm/iscmod for mutual registration pattern
- enums automatically provided choices
- powertype pattern
- use composite fixtures
- dates/times default from Clock.getInstance()
- LogonFixture / SwitchUserFixture / DateFixture