Apache Isis™ CheatSheet

Apache Isis Annotations

@DomainService @DomainServiceLayout

@DomainObject @DomainObjectLayout

@ViewModel, @ViewModelLayout

@Property, @PropertyLayout

@Collection, @CollectionLayout

@Action , @ActionLayout

@Parameter, @ParameterLayout

@Title, @MemberOrder, @MemberGroupLayout

@HomePage, @MinLength, @Programmatic

Xxx.layout.xml instead of @XxxLayout

JDO (DataNucleus) Annotations

@PersistenceCapable, @DatastoreIdentity

@Inheritance, @Discriminator; @Version

@Queries, @Query;

@Uniques, @Unique; @Indices, @Index

@Persistent, @NotPersistent

@Column, @PrimaryKey,@Join, @Element

http://www.datanucleus.org/products/datanucleus/jdo/annotations.html

Other Annotations

@javax.enterprise.context.RequestScoped

@javax.inject.Inject

@javax.annotation.PostConstruct

@javax.annotation.PreDestroy

@javax.validation.constraints.Digits

@javax.xml.bind.annotation.XmRootElement etc.

@com.google.common.eventbus.Subscribe

@org.axonframework.eventhandling.annotation.EventHandler

Methods: Class

title(), iconName(), cssClass()

hidden, disabled(IdentifierType), validate()

Methods: Properties

getName(), setName(); modifyName(), clearName()

hideName(); disableName(); validateName()

autoCompleteName(), choicesName()

Methods: Collections

getOrders(); {addTo/removeFrom}Orders()

hideOrders(); disableOrders();

validate{AddTo/RemoveFrom}Orders

Methods: Actions

placeOrder(X x, Y y, Z z)

hidePlaceOrder(); disablePlaceOrder()

validate{0|1|2}PlaceOrder(X|Y|Z);

validatePlaceOrder(X x, Y y, Z z)

autoComplete{0|1|2}PlaceOrder(X,Y)

choices{0|1|2}PlaceOrder(X,Y) (n-1 args)

default{0}PlaceOrder()

RepositoryService

allMatches(Query) & QueryDefault(…), persist(),
remove(), instantiate()

MessageService

informUser(), warnUser(), raiseError()

Error & Exception Handling

RecoverableException, NonRecoverableExeption

(some other) Applib Services (API, fwk implements)

FactoryService, TitleService, DomainObjectContainer,
ClockService, ConfigurationService, BookmarkService,
JaxbService, EventBusService, BackgroundService
EmailService, MetaModelService,
IsisJdoSupport, WrapperFactory TranslationService,
CommandContext, ActionInvocationContext
QueryResultsCache, Scratchpad, } request scoped

(some) Applib Services (SPI, Isis addons impl.)

AuditingService3 (isis-module-audit); CommandService &
BackgroundCommandService (isis-module-command);
Security services (isis-module-settings)
SessionLoggingService (isis-module-sessionlogger),

Applib Services (SPI, no impl., app must provide)

FixtureScripts, UserProfileService, UserRegistrationService

Other Add-ons (http://www.isisaddons.org)

isis-module-xxx: docx; excel; settings; stringinterpolator;

isis-wicket-xxx: excel; fullcalendar2; gmap3

Mixins (fwk implements)

clearHints(), downloadLayout(), id & version properties

Value Types

8 primitive types + wrappers; BigDecimal, BigInteger;
java.util.Date, java.sql.{Date|Time|Timestamp}; enums;
JODA dates; org.apache.isis.value.*

Applib Utility Classes

ObjectContracts, Enums; TranslatableString

Config Files

WEB-INF/isis.properties, WEB-INF/shiro.ini