Apache Isis™ CheatSheet

Isis Annotations

@DomainService @DomainServiceLayout

@DomainObject @DomainObjectLayout

@ViewModel, @ViewModelLayout

@Property, @PropertyLayout

@Collection, @CollectionLayout

@Action , @ActionLayout

@Parameter, @ParameterLayout

@Title, @MemberOrder, @MemberGroupLayout

@HomePage, @MinLength, @Programmatic

Xxx.layout.json instead of @XxxLayout

Java/JEE Annotations

@javax.enterprise.context.RequestScoped

@javax.inject.Inject

@javax.annotation.PostConstruct

@javax.annotation.PreDestroy

@javax.validation.constraints.Digits

Guava Annotations

@com.google.common.eventbus.Subscribe

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

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()

DomainObjectContainer

newTransientInstance(); persistIfNotAlready()

allMatches(Query) & QueryDefault(…)

informUser(), warnUser(), raiseError()

Error & Exception Handling

RecoverableException, NonRecoverableExeption

ExceptionRecognizer2 (service)

Applib Services (API, framework provides impl.)

DomainObjectContainer, ClockService,

BookmarkService, MementoService, XmlSnapshotService

EmailService, EmailNotificationService, DeepLinkService,

EventBusService, BackgroundService

IsisJdoSupport, WrapperFactory

TranslationService, LocaleProvider, TranslationsResolver

ExceptionRecognizer2

CommandContext, ActionInvocationContext

QueryResultsCache, Scratchpad,   } request scoped

Applib Services (SPI, Isis addons impl.)

AuditingService3 (isis-module-audit); CommandService & BackgroundCommandService (isis-module-command); PublishingService (isis-module-publishing); 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: devutils; docx; excel; security; settings; stringinterpolator; tags

isis-wicket-xxx: excel; fullcalendar2; gmap3

Value Types

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

Config Files

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

Utility Classes & Exceptions

ObjectContracts, Enums; TranslatableString