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 ⎫ request

QueryResultsCache, Scratchpad, ⎭ 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.*

Applib Utility Classes

ObjectContracts, Enums; TranslatableString

Config Files

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