Apache Isis™ Cheat Sheet

Domain Object Annotations

@DomainObject @DomainObjectLayout

@Property, @PropertyLayout

@Collection, @CollectionLayout

@Action, @ActionLayout

@Parameter, @ParameterLayout

@Title, @HomePage, @MinLength,

@MemberSupport, @Programmatic

@javax.inject.Inject

@javax.annotation.Nullable, @javax.validation.constraints.Digits

@lombok.Data, @lombok.ToString, @lombok.Builder,
@lombok.RequiredArgsConstructor

Layout

Xxx.layout[.layoutName].xml, *Xxx.layout.xml*,

Xxx.layout.fallback.xml – *all having precedence over* @XxxLayout

String title(), String iconName(), String cssClass(),

String layout()

JDO Domain Entities (javax.jdo.annotation)

@PersistenceCapable, @DatastoreIdentity

@Inheritance, @Discriminator; @Version

@Queries, @Query;

@Uniques, @Unique; @Indices, @Index

@Persistent, @NotPersistent

@Column, @PrimaryKey,@Join, @Element

@XmlJavaTypeAdapter(PersistentEntityAdapter.class)

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

JAXB View Models (javax.xml.bind.annotation)

@XmRootElement; @XmlType

@XmlAccessorType; @XmlTransient

Domain Services (Menu or REST API)

@DomainService @DomainServiceLayout

@PostConstruct, @PreDestroy (javax.annotation)

@javax.inject.Inject

Domain Services (org.springframework)

@Component, @Service, @Repository, @EventListener

Layout

menubars.layout.xml – has precedence over @DomainServiceLayout and @MemberOrder

Mixins

@Property, @PropertyLayout

@Collection, @CollectionLayout

@Action , @ActionLayout

Methods: Actions

placeOrder(X x, Y y, Z z)

boolean hidePlaceOrder(); String disablePlaceOrder()

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

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

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

String validatePlaceOrder(X x, Y y, Z z)

Collection<X|Y|Z> autoComplete{0|1|2}PlaceOrder
     (X|Y|Z, search) (2 args)

Collection<X|Y|Z> choices{0|1|2}PlaceOrder(X|Y|Z)

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

Methods: Properties

@lombok.Getter, @lombok.Setter;

getName(), setName(); boolean hideName();

String disableName(); String validateName(X);

Collection<..> autoCompleteName(),

Collection<..> choicesName()

Methods: Collections

@lombok.Getter, @lombok.Setter;

getOrders(); hideOrders(); disableOrders();

Events

@DomainObject(xxxLifecycleEvent=….)

@DomainObjectLayout(xxxUiEvent=….)

@Action(domainEvent=….) @Property(domainEvent=…)

@Collection(domainEvent=…)

RepositoryService

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

MessageService

informUser(), warnUser(), raiseError()

(some) other Applib Services

FactoryService, TitleService, ClockService, ConfigurationService, BookmarkService, EventBusService, BackgroundService, MetaModelService, IsisJdoSupport, WrapperFactory, CommandContext, QueryResultsCache

Error & Exception Handling

RecoverableException, NonRecoverableExeption

Value Types

8 primitive types + wrappers; BigDecimal, BigInteger; java.util.Date, java.time.{LocalDate|LocalDateTime| LocalTime} dates; JODA dates; java.sql.{Date|Time| Timestamp}; enums; value types library

Bootstrapping

@SpringBootApplication; @SpringBootTest; @Configuration; @Import; @ComponentScan