Nimbus Excerise:

1. Architecture of the Nimbus framework, with a specific focus on any two of the technologies used.

* Nimbus framework architecture developed based on domain model approach, it means based on domain specific , requirements and problems will be there.

for example : in a shop application, some of your domain model classes would be Product, Order, ShoppingCart and Customer.

This framework includes UI related feauters (angular js and some annotations for UI)

I have attached framework architecture image.

Technologies :

Spring framework(spring boot,spring core,) – for creating spring boot project and used some annotations

JDK 1.8 – some features like Optional,Lambda expressions, Reflection api etc..

Lombok, - some annotations like @Getter,@Setter etc.

Maven – build project with pom

JSR validations – to validate used some annotations

Angular 4- created angular application for UI

Docker – to deploy application using images

BPM – for creating workflow

QueryDSL – to build query using annotation with @Config

Drools – creating rules for validations and setting stages

1. How @Config annotations are used in the framework with examples.

Config annotations used to process workflow using BPMN with stateless

Ex: @Config(url="/vpOwners/vtOwners/vsOwners/owners.m/\_process?fn=\_set&amp;url=/p/owner/\_search?fn=example")

In the above example we are applying for some model class which is binding with UI(buttons,fileds) to process flow with BPM, and in that we are adding url and with respective function and process id

e ).    How drools are used in the framework with examples.

Drools used to create rules for setting state change and validations

Example :

rule "Show/Hide buttons in edit flow"

    when

        $param: Param($param.findParamByPath("/vpAddEditOwner/vtAddEditOwner/vsAddEditOwner/vfAddEditOwner/firstName").getState() != null)

    then

        $param.findParamByPath("/vpAddEditOwner/vtAddEditOwner/addOwnerHeader/#/visible").setState(false);

        $param.findParamByPath("/vpAddEditOwner/vtAddEditOwner/editOwnerHeader/#/visible").setState(true);

        $param.findParamByPath("/vpAddEditOwner/vtAddEditOwner/vsAddEditOwner/vfAddEditOwner/vbgAddOwnerButtonGrp/submit/#/visible").setState(false);

        $param.findParamByPath("/vpAddEditOwner/vtAddEditOwner/vsAddEditOwner/vfAddEditOwner/vbgAddOwnerButtonGrp/update/#/visible").setState(true);

end