Project 0 Questions

1.   What tools and technology used by your application?

      Tools: SQLyog, ecilipse, Jaspersoft studio

      Technologies: Spring MVC, Hibernate, tiles

2.   Which design pattern is followed by your application?

      front controller, session facade, dao, dto, builder,
bridge,command.

3.   What is session façade design pattern , In which class you apply
this design pattern?

       Single entry point for entire application, applied in service
classes.

4.   What is DAO,DTO,Bridge,Front Controller design patterns?

        Frontctl : session checking, check if user logged in or not

        DAO : data access objects, transfer data from one layer to
another layer.

        DTO: used to transfer data objects containing multiple
attributes.

        Bridge: one interface multiple implementation

5.   What is Bridge design pattern how did you apply in your
application?

           implementation of service inteface in spring service
implemantation.

6.   What is front contoller design pattern how did you apply in your
application?

By extending HandlerInterceptorAdapter class

and defining in dispatcher servlet in <mvc:interceptor> tag.

7.   Which architecture is followed by your application?

   Layered architecture

8.   How many Layers in your application?

   Presentation, business, data access, integration

9.   How many logic are there?

      Presentation logic(jsp), navigation logic(controller class),

      Business logic(Service classes), Data access logic(dao class)

10.   What logics you write in different layers?

      Presentation layer : view logic, navigation logic

      business layer : business logic

      da layer : da logic

      integration l : integration logic

11.   What are the components of architecture?

      JSP, Controller classes, Service classes, DAO classes.

12.   What is roles and responsibilities of developer or your?

13.   What is roles and responsibilities of deployment lead?

14.   Who create a build ? what is frequency of build?

15.   By which build is created and what is the extension of build?

16. Who creates the release notes and what is the extension of release note?

17. What is build process?

18. What is unit testing and who does unit testing?

19. What is JUnit?

20. What is regression testing?

21. What is design model and what is database model?

22. What is usecase model and usecase board?

23. What is usecase?

24. What is contain by usecase?

25. What is the extension of usecase file?

26. What are actors and how many actors are there?

27. What is Basic flow and alternate flow?

28. Where do you keep your usecases?

29. Who create a usecases?

30. What is the alternate usecase of login ?

31. Who creates a usecase board?

32. What is git and how will you do check in and check out?

33. How many environment are there and In which environment you work?

34. By which tool we does the code comparision? Ans: Araxes

35. How do you check the code quality?

    Ans : peer code review checklist and extension is .xls , done by peer developer

36. Where you deploy your application?

37. How did you provide the Internationalization and Localization or multi-language support?

        configure classes in dispatcher servlet:

reloadableresourcebundlemessagesource

localeresolver and localechangeinterceptor

and create two properties file en and hi.

38.   How many types of validation you apply in your application?

declaratve : input and business

39.   How do you apply input validation?

input ka flow copy me

40.   What is preloaded data?

data loaded at the time of page loading.

41.   How do you apply preload?

@modelattribute in basectl before preload()

this is for preload calls at first

42.   How do you populate?

by using bean form (example: populate() in user form)

43.   What is tiles and how did you configure the tiles?

It is an opensource templeting framework which defines page fragements.

Use tilesconfigurer and URLBasedviewResolver in dispacther-servlet

We create tiles.xml which resolves the view on the basis of key defination

44.   What is interceptor and how many ways to define the interceptor?

It intercepts an incoming req. and does preprocessing before sending the request and postprocessing

after reciving response for target controller.

45. What are the methods of interceptors?

prehandle(), posthandle(), afterCompletion().

46. How did you create the dropdown?

preload data's list get on view by ${select} and ${options} tag

47. What is jstl?

jsp standard tag library.

48. How do you get error messesge ?

input validations ka flow

49. How do you apply jasper which tool are you using?

By making jasperctl and using the classes of jasper   Tool:TIbco Jaspersoft studio

50. What is data binding and how does data binding?

Bind request parameters and method aurguments : @RequestParam

BInd request parameters to a bean object and store into model object : @ModelAttribute

51. What is url binding and which annotation is used for url binding?

A controller class can be bind with the URL : @RequestMapping

52.   What is model?

        it is a map object that contains data in the form of key value pairs and

        carries data from ctl to view

53.   What is view resolver?

        It resolves the view name returned from controller

54.   How will you enable mvc annotation?

          <mvc : annotation driven>

55.   What is dispatcher servlet how will you configure and which design pattern is followed by dispatcher servlet?

        xml file which handles all the HTTP requests and responses. session facade dp

56.   What is flow of application?

         req-> dispatacher servlet ->model -> ctl -> service -> dao -> db

        // view-> dispacther servlet -> response

57.   What is spring?

        Spring is a lightweight container which maintains the lifecycle of a bean

58.   How many types of container are there?

        beanfactory and applicationcontextcontainer

59. What is IOC?

inversion of control used for DI.

60. What are the scopes of beans?

singleton, prototype, request, session, global session

61. What is auto wiring?

used for dependecy injection

62. What are the modes of auto wiring?

no, byname, bytype, constructor

63. Which annotation is used for autowiring?

@autowired

64. How will you create the DAO classes, controller classes and service classes?

@repository- dao

@controller- ctl

@service - service

65. How will you create a DCP?

by using hibernate-servlet.xml and configure parameters of dcp.

66. How will you configure a session factory?

in Hibernate-servlet by using class localsessionfactorybean.

67. How will you do a transaction handling?

     @Transacional

68. What is AOP? Aspect oriented programming

        it enables modularization.

69. How will you send email?

      by configuring class JavaMailSenderImpl in dispacther servlet.

      and autowire that class and use sendmail method to send mail

70. How do you apply a pagination?

         criteria setfirst result and setmaxresult

     set page size 5 on base form

71. Which query is fires on search?

          criteria.add(Restrictions.eq("id", dto.getId()));

72. What is non business primary key and business primary key?

             nb : which doesn't relate with our business data.

73. Why we use non business primary key?

             to maintain refrential integrity

74. How do you create a java doc?

75.   Exception?

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76.   validations?

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