23 23 2107 ENTERPRISE PROGRAMMING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SUBJECT CODE: 19CS2107 ENTERPRISE PROGRAMMING WORKBOOK

Servlets #5	
Date of the Session://	Time of the Session:to
Prerequisite: Servlets and their applications. 'CRUD' operations in SQL.	
Pre-Lab Task: 1. Write a note on servlet and its life cycle.	
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Servet classic toacled

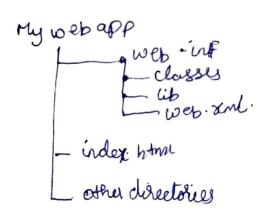
Servet instance is Created

int method is invoked

Serve Method is invoked

Debry method is invoked

2. Draw the Structure of directories that are to be created under Tomcat's 'webapps' folder.



115

(reate a project named 'myservice' and using servlets make a service which prints "Welcome in Nervietal!" on to the server console. The class must be named FrutServiet and the URL pattern must be '/your name'.

Add another service into the same 'myservice' project which prints "Bye to Servicis" on to the server console. Name the class "SecondServlet" and set URL pattern to "your_name143". (Hint: Modify the 'web.xml' file by adding another servlet name and URL pattern.)

Check the working condition of both the services.

Writing space for the Problem:(For Student's use only)

Fileserulat. Javaimpole i wa to Exception; impolt java & Servet Exertion; java & "Servlet http Http Servlet" infol Java X. Servlet Http servlet Request; most Public class first Servlet extends +9++17 Scrolet { Private State final long Serial version OD=10; Protected void do Gret (HHP Served Request request, HHP) Servet Responses hesponse) throws Servet Exception System. out · Print la (" welcome to Servlet"); To Election & Protected void dolor (H HP Server Request sequest, HHP Souther Response response) throws Servelet. Exception, Io Exception Second Servlet · Java. Public Class. Second Servlet extends 4 ttp Servlet {. Public Static Final Long Scriew Version UID 21L;

Protected void doger (FITTPSEWLER Request , request, +1 HPServlet Restand

throws Sewlet exception 1 To exception

<u>In Lab Task:</u>

A professor from K L University after 21 years of Work he decided to retire from his job and before he leaves, he wants to get feedback about him from all his students. As you are his favorite student, he asked you for help, so, you decided to make a Web app using servlets in which the students must first register and then login into it with the registered credentials, which in turn gives a page and Asks for remarks, the students can type and submit their views in it and this login credentials and remarks must be stored into 'farewell' table in database. He wants everyone to register and login because he wants to know how every particular student think about him.

Writing space for the Problem:(For Student's use only)

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Registration. Java Public Class Registration extends https Servlet {. Private Static final long Serial Version UTD=12; Public Registration () { Super (); Protected void doget (HHP Servlet Request, HPHP Servlet Response) through Servlet Exception, To Exception {. nexponse. So writer (). appoint ("served at:") append (herquest 900 Conten ξ. Protected void GroPort (4144 Servlet Request, Alto servlet Response) throws Servlet Exception, To Exception Paint Writer out = response get writer (); nesponse. Set Content type ("text/html"); String name = sequex. get Rarameter ("name"), String id = request get Parameter ("id"); String email: Request. get Parameter ("email"). String warre = request-go Parameter L'uname") String Proo = request get Parameter ("Pwd"); Convection Con: try { class. for Name ('droub idoc. driver. oracle Driver'); Con: Driver, Management. get Connection ("Job : Snack: thin: @ localhot 1521;16)

"System", "Froot");

Writing space for the Problem:(For Student's use only)

statement PS = Con Prepare Statement Cinsert into Rosewel Value (j's's's's),); ps. Set String (1, id); ps-Set stoing (2, name); ps. Set Staing (3, email); PS. Set String (4, cename); B. Set String (S, Pwo): int XS= PS. execute update (); Con. commet (); Exception ()

{
out. Printly (e); 3.

<u>Post Lab Task</u>

Create a login Servlet which on login retrieves and Displays the Previous Remark Given by you. You must also provide an Update Remark Text Field in which the student can type a new remark and replace the previous remark with it. For login, use the credentials that are in the 'farewell' table. Use Eclipse IDE for ease of the task.

Writing space for the Problem:(For Student's use only)

inder html (1000 TYPE BEML) (html> (head) / meta Charset = "ISO. 8859-1" > /title > Insert title here < /title >. (Ihead) Loody (Folm Method = "POSt " action = "logis check" > username Zingut type z" text' name: "unamo"/). Password C'input type z "Password" name= "Pwo"/> Linput type = "Submit name = "logis"/>. (Iform) (thody) (thtmL) Logischeck java: Public class logis check extends HHPS exulet &.

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ENTERPRISE PROGRAMMING

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Writing space for the Problem:(For Student's use only)
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 Context outh (>);
Protected void doPost (HHP Servlet Requer, 1941 Servlet Response)
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throws Servlet Exception, To exception S.
 Print writer out = rosponse. get writer ();
  Reponse Contant type ("text /html");
  String mane = request. get Parameter ("unane");
  Staing Pood = request . get Parameter ("Pwd");
try {.
  11 Connection Statements
   Prepuled Statement PS = Con. Prepare Statements ("Select uname,
    Rod, hemarks from farewell, where unamo =? and pwd = 1");
       PS. Set String (1, anome);.
    Protected void go do Get FH.
      B- SOF String (2, Pwd);
    Result set VS: Ps. execute Query();
      ib (&smext ()) }.
           out printer ("your remarks are;");
           out Print in ( 85.9et String(3))/
          out . Brist bol 2001> 2 a . hoef = "index 1 . htme" > click here.
           to charge your remarks </a>");
        Catch Cexception e)
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PROGRAMMING

Writing space for the Problem:(For Student's use only)

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    ('uput type = "text" name = "remark"/>
    L'input type = "Submit" name = "Submit"
     ( Ifolm >
     ( 1body)
     Change Remark java:
   Public class change Remark extends HHP Servlet {.
     Private State final long Serial Version UIP = 14;
         Public Change Remark() {.
         Supercs;
     Protected void doget CHHP Servlet Request, HHP Servlet Responses
      Parous Servet Exception To Exceptions.
        response. got whites cs. append ("Served nat; ") afterd (request get).
        Context Path (3);
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Writing space for the Problem:(For Student's use only)

protected void do Post () throws Servet exception, IDenception & String remail = request get parameter ("remark"). Print writer out = 2000000 - get writer () Http Session Session = Request · get tettseskin(); Gring Wrame = Estring) Session, get Altribute (uname ") String Pwa > (String) Session Get Attribute ("Pwd"); nesponse. Set Content type ("Text 1 html"); try ? 16 nection Stratement Statement X = "update Parewell | Set mainty = 'remark' where uname = uneme and pwa = "pwd"; int P,=PS, executo undate (7), Con. Commit (); y cp1 20) {. out Print ("Remark Changed"); Else { out · Print (" try again"); }}. Catch (Exception &) { 333

(For Evaluator's use only)

Comment	of the	Evaluator	(if Any)

Evaluator's Observation Marks Secured: ______ out of ______

Full Name of the Evaluator:

Signature of the Evaluator Date of Evaluation: