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

THE WORKBOOK
SESSION HANDLING#7
Date of the Session:
Prerequisite:
Basic idea on Session handling techniques.
Pre-Lab Task:
1. What is session tracking? Why is session tracking used?
Http is Stateless Protocol . It doesn't Stole state of anywer sending
request to sorver. It treats every user as new user fish every user session
tracking is way of maintain data of user It Contains details like sessionid, libeline,
cla-1
What are different types of session tracking techniques? Write few real-life examples for each session tracking technique.
Types of Session Tracking techniques
@ Cookes - Grail
(b) Hidden form but bield - Viewing items in Shopping Carl-
@ ust rewriting is any regular websites without any sensitive information
1 Het P Session - used for online find transactions
3. Understand how a cookie works. Write syntax to create a cookie and store values, access and
Cookie is a Small prece of information which is used to identify every cookie is a Small prece of information which is used to identify every every send in sea to server and sends one we add some details like their sending may to server and sends one added by default necognising
the sending near to selver and sends near the add some actuals like
arique of lifetime, ac.
as ar old one: - new Codie ("user id", "123");
asser oldone: create + Cookie ck = new Cookie ("user id", "123"); Response add cookie (ck);

use Cookie ? Cookie (K=new. Cookie () Cookie (= request, g et Cookies (); For (int 1:0; EZ Elc.length; i++), System, out, Print in (clij. get Name + "+ clij. get Value())

Delete Cookie +

Gookie Ck = new Cookie ("userid,""); Ck-Set Man Age (0); Response add Cookie ((K);

In Lab Task:

1. Kamal needs to login to his Gmail account but he forgot his secret password. Create a login form where he enters his username and password. As password is wrong, show a message which says "Wrong Password" and forgot password link is shown. When user clicks it, use URL redirect method to display username entered in login form and change his password by displaying password field.

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

```
index .html
 (1000 Type html).
 (html).
  (head).
   ( mela Charset = "Iso -8859-1")
   (title) Insert title here </title>
   ( I head ).
   (body)
    ( form method = " post" action = " pood check").
    frame: < input type = "text" name=" uname"/>
     "passand: Lingut type = "Lext' name= " Prod" />.
     (input type = "Submit". Value = "login: "/> 2/68m > (160dy> (14tml).
   import Java-io. Po Exception; Emport java io . Print writer;
  Pwd Check java >
   import saus servlet *; importsava servlet intto*;
    Public class Rod check extends http servlet ?.
                    Pariate States broad long Serial Version UIP=1L1.
    Public Pood Check () { Super (); }.
            Protected void do Post Cottp Servlet Request request, http servlet Report)
             throws Servlet Exception its Exception f.
                 Print writer, out = response get writer ();
                  try { grestonse: Set Content type ("text /html");
                      String unane = 9 aprest. get Parameter ("Prod");
String Prod = negrust. get Parameter ("Prod").
```

if (Rod. Equals ("Admin")) & out Paint to ("welcome"+uname); else { out · Print (n ("wrong posswood"); out · Print la (" by again"); Out · Brint ln ("CForm method = 1" post" a ction = Possisodo) < input type = "competition" 1"Prod1" > 19/1 n" + "Zinput type = "Submit!" Value = 1. Submis 1" 1/2/2 out Print b ("La hest = 'Pud Change) warne = "two me +") folget Russy Out-close (); } Catch (Exception E) { Bo out · Birt (Ce) = } ξ. Pwd change impolt Java los; import javo. Survet it; import is and Servet http: * , Public class Pwd change extends # HPSerwhet & Private Static Final long Serial Version VID=1h; Public Pwd Change () } Sea Super (); Protected void do Gret (#HTP Sewlet Request request-HTP Sewlet Request throws Servet Exception, To Exception, Paint writer out = response get writer (); response. Set Content Type ("text /html"); String wrame = request "get Parameter ("uname"); Out . Print h ("Hello" + Cerame);

Writing space for the Problem:(For Student's use only) put Print (" pleas enter new Password"). out pint in (" Learn method =" \post \" Prod Check \" > 1 p".

out pint in (" Learn method = " \post \" Prod Check \" > 1 p". new pursual Cinput type = \"text" name = \"Pwo" | >181 n". "(a heaf = " " trinder . html" Submit <a>\n\n"+' /pan>"); Catch (Exception e) } out. Print la (e); 3, web. 2mc -(? xml verxion = "1.0". encoding = "UTF -8"?) (web-app & ml ns: Xsi = "http://www.w3.8g12001/xml Schema instance" x m Lns = "http://davo. Sun. Com/rml ns/javee" xsi : schemalocatio = "http://Java.Sun.Com/xml/re/java.http://www.Sun.Con.xml/ns/ Java | web-app-2-5 xs " |d=" web APP-ID" Version= 2.5">. (display-rame) or Rewriting (Idisplay-name) (servlet). (description) < Idescription). Ldisplay-name) & flod Check Zldisplay-name). < Servlet -name > Prod check < / Servlet -name> (Servlet -class > pwd check < 1servlet-class >. (Servet mapping >, (Server - name) Fund check < (Server - name). (vol - Paltern > pud chear (furl - Paltern).

Userilet - mappings

68

(Servet - name) Pund Charge (/Servet - name).

(Servet - >.

(usl - Pattern) Pund Change (/url - Pattern).

(Iservet - mapping).

(web-app).

2. Udemy is a site which gives online courses of various domains. This site chooses the cost of the course dependent on number of visits to the site from your account. If number of visits are more, cost writing and on any course from his account.

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

```
Inder . html
(html)
 ( nead >
 ( meta charset = 'I'so -8879 -1").
 (Thead)
  ( body).
   , La hert =" Hit Counter" > click me (1a).
   (body>
   ( lhtmL)
import sava to +; import sava Served +; import savar Served http+;
 Bublic class tib (counter extends fit to Servlet {.
   Private int y;
    Public void init (Servet Conting) throws Servet Execution ?
         int y;
          9:0;
  Protected void doger (+1+to Served Request request; +1+to Served Response
  Respons) throws Servet Exception To Exception S.
       4++1
  Brist writer out = response got writer();
       response Set Content Type ("text / html");
        out print in ("No of clicks="+y"); 3.
   Brist Protected void deposit (HHP Served Request request, HHP Servet
Response respons) throws Scrubet Exception To Exception ?
           do Get (request pressons);
```

>

Post Lab Task:

1. Sharan needs to pay his college fee on the web. So, he opens online banking site and logins with right accreditations. In the wake of signing in, show another structure which contains fields like username, college name, amount to be paid. After that, put username, school name and amount to be paid in session scope. Show a message "You are paying to 'college name' Rs. 'amount' " and a continue button. If client clicks continue, show a bill and end the session.

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

```
(html)
  (head)
  1 meta charset = 1250-8859-118
  1 head >
  1 body
     / Rolmaction = fee Stone " method = "Post">.
      name ; < input type = "text" name = "uname"/>.
      Passwold: < crput type =" Password " name = "Pwd"/>
      Cinput type = "Submit" Value = "logis"/>
      (lesun)
     ( 1body
     ( I html)
fee strong, Lowar
 import savaio +; import savaiserulet + ; import sava servlet http: +;
Public class fee Struc exteres #HAP Servlet S.
               Private Statue final long serial version UTD=12;
            Protected void do Post (HEEP Servlet Request request, HHP servlet
Restorge regions ) throws Servlet Exception, To Exception f.
  Print writernt - hespons god whites ()
  hespone. Set Content type ("tent [html")));
```

String name = request get Parameter ("uname");

Storing Pard = hequest. get Resumeter ("Prod");

)

if (name equal("Me")) { y (Pwd equals ("ry password")) { out Print In (x pour welcome"+ name + "In please fill the details), out Print b C" to & Formaction = 1" fee Session)" method of " Post " >(8/n+ "name < nput type = \"text \" name = \"cig \" > \8\n " + "amount < input type = \"text \" name = \"cig \" > \8\n " + "amount < input type = \"text \" name- lame" 117 1/2 / Lingut type = 1" Submity" Value = 1" Pay?"/> 18/1/2 (Rolm):); els ?. out Printle ("whong Russword try again "); out Paint b ("Eformaction = \ "fee Struct" method = \ Post "78 \n" + "name; Lingut type = 1"text 1 mans = "Muname" 17/9/11"+. Parsadd: (inplatype = 1"Parsadd) namez \"Pad"/7-8/n> Catch (Exception e) { our Paint la (e); fee Session java! import Java. to . *; impolt java. Survet. * 1 emple java Sewlet http*; Public Class fee 5 ession extends httpseula? Private Statie final long Serial Version UID=11; Protected void do Post CHHP Served Exception, PO Exception Describe of throws Servet Exception, To Exception response. Set Content type ("text html)

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

```
try {
      String name = go request. get parameter ("uname");
      Storing Elg = Request. get Parameter (" C/9");
      String ant 2 lequest get Parameter ("ant");
 Attp session : request get Session();
   Sersion. Set Attroibule ("name", name);
   Servicon. Set Aftribute ("clg", clg);
   Session. Set A Hrsi bute ( ant", ant );
  out · Print (" you are going to Pay to "+ Clot" an amount of "+amt);
 Out Print In ("In Doyou want to Continue?");
 + "Luput type = \"Submit \" Yalue = \"Yes\" > \8\n" + method \"pose" \>
 9/11"+" Linput type = \Submit "+ "Value = \"no\" 7> \8/11"+" 2/188m)");
 Catch (Exception e) }
   out. Print h (e);
 z
cripal backino. +;
import Savarx. Sewlet. *;
import java x . Served . http://
Public class Bill extends http: Servlet f.
          Public State = Final long Serial Velsion UID=1K;
          Protected void do port CHHP Server Request; 41+7 Server Response)
throws Servet Exception. To Exception E.
```

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

Prient Wreles out > Response ger writer (); Response. Set Content type ("text [html"); try & Http Servion Servion = request -get Servion (); out printly ("Bill"); String name = (String) Session. get Albribute ("name"); String clg = (String) Session get Attribute ("clg"), String ant 2 (String) Session . get Attailbute ("ant"); Out Print In (" (los) Namo: " + name); out Print in C" (b) College; + (19); out Print in ("Lbs) A MOUNT; + amt);. Session inial ideate (); Catch (Exception e)} out Paint la Ce)\$ 3.