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COURSE NAME - INTERNET AND WEB PROGRAMMING

COURSE CODE - CSE3002

LAB - 10

XML AND AJAX

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Q1. Implement the following session using PHP

- Create a Session
- Check whether the session variable is already set. If so, display else throw an error.
- Delete the session variable and print the status
- Destroy the session and print the status

CODE:

```
<?php  
// Start the session session_start();  
?  
<!DOCTYPE html>  
<html>  
<body>  
<?php  
// Set session variables  
$_SESSION["favcolor"] = "green"; $_SESSION["favanimal"] = "cat"; echo "Session variables are  
set.<br>"; echo "Favorite color is " . $_SESSION["favcolor"] . ".<br>"; echo "Favorite animal is " .  
$_SESSION["favanimal"] . ".<br>"; print_r($_SESSION);  
?  
</body>  
</html>
```

**OUTPUT:**



```
Session variables are set.  
Favorite color is green.  
Favorite animal is cat.  
Array ( [favcolor] => green [favanimal] => cat )
```

**Destroy the Session:**

**CODE:**

```
<?php  
session_start();  
?  
<!DOCTYPE html>  
<html>  
<body>  
<?php  
// remove all session variables session_unset(); // destroy the session session_destroy(); echo  
"Session destroyed<br>"; print_r($_SESSION);  
?  
</body>  
</html>
```

**OUTPUT:**



**Q2. Implement the following cookies using PHP**

- Create a cookie with a value IWP.
- The cookie should expire in 3 days
- Check whether the cookie is present on the website. If so, display else throw an error
- Delete the created cookie before an hour
- Check whether the cookie is disabled or not. Print the status

CODE:

```
<?php  
$cookie_name = "subject";  
$cookie_value = "IWP";  
// setcookie($cookie_name, $cookie_value, time() + (86400 * 3),"/"); // 86400  
= 1 day  
?>  
<html>  
<body> <?php if(!isset($_COOKIE[$cookie_name])) { echo "Cookie named '" . $cookie_name . "' is not  
set!"; } else { echo "Cookie '" . $cookie_name . "' is set!<br>"; echo "Value is: " .  
$_COOKIE[$cookie_name]."<br>"; echo "This cookie is set on ".time();  
}  
?>  
</body>  
</html>
```

OUTPUT:



CODE:

```
<?php  
// set the expiration date to one hour ago setcookie("subject", "", time() - 3600);  
?>  
<html>  
<body> <?php echo "Cookie 'user' is deleted.";  
?>  
</body>  
</html>
```

OUTPUT:

Cookie 'user' is deleted.

Q3. Create a text file (hobby.txt) with a paragraph (write your hobbies). Write a program using AJAX to view hobby.txt content

CODE:

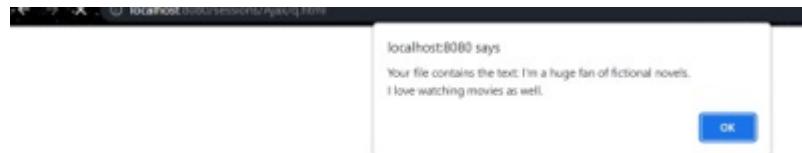
```
<!DOCTYPE html>

<head><title>Ajax Test</title> <script type="text/javascript"> var xmlhttp = new XMLHttpRequest();
xmlHttp.open("GET", "Hobbies.txt", true); xmlhttp.addEventListener("load", ajaxCallback, false);
xmlHttp.send(null); function ajaxCallback(event){ alert( "Your file contains the text: " +
event.target.responseText );

}

</script>
</head>
<body>
```

OUTPUT:



XML exercises:

Q1. Create an XML file for payroll info. system. Apply CSS & DTD.

CODE:

XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="01.css"?>
<!DOCTYPE Payroll SYSTEM "01.dtd">
<Payroll>
```

```
<title>Hello User! Welcome to PayRoll information system.</title>
<User1>
<name>Kane Williamson</name>
<EmployeeID>Employee ID:101</EmployeeID>
<Contact>Phone no: 98765543210</Contact>
<salary>Salary: 50000</salary>
</User1>
<User2>
<name>Steve Smith</name>
<EmployeeID>Employee ID:102</EmployeeID>
<Contact>Phone no: 5713658940</Contact>
<salary>Salary: 75000</salary>
</User2>
<User3>
<name>Virat Kohli</name>
<EmployeeID>Employee ID:103</EmployeeID>
<Contact>Phone no: 978765940</Contact>
<salary>Salary: 44000</salary>
</User3>
<User4>
<name>Joe Root</name>
<EmployeeID>Employee ID:104</EmployeeID>
<Contact>Phone no: 8563956480 </Contact>
<salary>Salary: 70000</salary>
</User4>
</Payroll>
```

CSS:

```
Payroll { font-size: 80%; margin: 0.5em; font-family: Verdana; display: block;
```

```
}
```

```
User1,
```

```

User2,
User3, User4 { display: block; border: 1px solid silver; margin: 0.5em; padding: 0.5em; background-color: whitesmoke;
} title { display: block; font-weight: bolder; text-align: center; font-size: 30px; background-color: green; color: white;
}
signature {
/* display: block; */ font-weight: bolder; text-align: right; font-size: 30px; background-color: rgb(207, 6, 63); color: white;
} name, EmployeeID,
Contact,
salary { display: block; text-align: center;
} name { color: green; text-decoration: underline; font-weight: bolder; font-size: 20px;
}
EmployeeID { color: green;
}
Contact { color: brown;
} salary { color: blue;
}

```

DTD:

```

<!ELEMENT Payroll (title,signature,User1,User2,User3,User4)>
<!ELEMENT title (#PCDATA)>
<!ELEMENT signature (#PCDATA)>
<!ELEMENT User1 (name,EmployeeID,Contact,salary)>
<!ELEMENT User2 (name,EmployeeID,Contact,salary)>
<!ELEMENT User4 (name,EmployeeID,Contact,salary)>
<!ELEMENT User3 (name,EmployeeID,Contact,salary)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT EmployeeID (#PCDATA)>
<!ELEMENT Contact (#PCDATA)>
<!ELEMENT salary (#PCDATA)>

```

OUTPUT:

Hello User! Welcome to PayRoll information system.

**Kane Williamson**  
Employee ID:101  
Phone no: 98765543210  
Salary: 50000

**Steve Smith**  
Employee ID:102  
Phone no: 5713658940  
Salary: 75000

**Virat Kohli**  
Employee ID:103  
Phone no: 978765940  
Salary: 44000

**Joe Root**  
Employee ID:104  
Phone no: 8563956480  
Salary: 70000

Q2. For an online book store, create a “data islands.” Use HTML & CSS for the same.

CODE:

XML:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<?xml-stylesheet type="text/css" href="02.css"?>
<bookstore>
  <title>Hello User! Welcome to our Online book store.</title>
  <book1>
    <name>The Silent Patient</name>
    <author>Alex Michaelides</author>
    <publishDate>2019</publishDate>
    <synopsis>The Silent Patient is a 2019 psychological thriller novel written by British
      – Cypriot author Alex Michaelides.</synopsis></book1>
  <book2>
    <name>Little Women</name>
    <author>Louisa May Alcott
    </author>
    <publishDate>1868-69</publishDate>
    <synopsis>Little Women is a coming-of-age novel written by
```

```
American novelist Louisa May Alcott.</synopsis></book2>
<book3>
<name>Divergent</name>
<author>Veronica Roth
</author>
<publishDate>2011</publishDate>
<synopsis>Divergent is the debut novel of American novelist Veronica Roth, published by HarperCollins Children's Books in 2011. </synopsis></book3>
</bookstore>
```

CSS:

```
bookstore { font-size: 80%; margin: 0.5em; font-family: Verdana; display: block;
} book1, book2, book3{ display: block; border: 1px solid silver; margin: 0.5em; padding: 0.5em;
background-color: whitesmoke;
}
signature {
/* display: block; */ font-weight: bolder; text-align: right; font-size: 30px; background-color: rgb(207, 6, 63); color: white;
} title { display: block; font-weight: bolder; text-align: center; font-size: 30px; background-color: green; color: white;
} name, author,publishDate,synopsis { display: block; text-align: left;
} name { color: green; text-decoration: underline; font-weight: bolder; font-size: 20px;
} author { color: green;
} publishDate { color: brown;
} synopsis { color: blue;
}
```

HTML:

```
<html>
<body>
<xml id="employee" src="02.xml"></xml>
</body>
</html>
```

OUTPUT:

The screenshot shows a web browser window with the URL '127.0.0.1:55060/0.xml'. The page title is 'Hello User! Welcome to our Online book store.' Below the title, there are three book entries listed in a table-like format:

<b>The Silent Patient</b> Alex Michaelides 2019 The Silent Patient is a 2019 psychological thriller novel written by British & Cypriot author Alex Michaelides.	<b>Little Women</b> Louisa May Alcott 1868-69 Little Women is a coming-of-age novel written by American novelist Louisa May Alcott.	<b>Divergent</b> Veronica Roth 2011 Divergent is the debut novel of American novelist Veronica Roth, published by HarperCollins Children's Books in 2011.
--	--	--

Q3. For the food restaurant system, create an XML file. Apply CSS & DTD.

CODE:

XML:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<?xml-stylesheet type="text/css" href="03.css"?>

<restaurant>
    <title>Hello User! Welcome to our Restaurant.</title>
    <item1>
        <dishname>Butter Chicken</dishname>
        <details>It is a type of curry made from chicken with a spiced tomato and butter sauce. Its sauce is known for its rich texture.</details>
        <price>350/-</price>
        <User_rating>4.9 stars</User_rating></item1>
    <item2>
        <dishname>Gulab Jamun</dishname>
        <details>Gulab jamun is a sweet confectionery or dessert, originating in the Indian subcontinent and a type of mithai popular in India</details>
        <price>60/- (5pcs)</price>
        <User_rating>4.3 stars</User_rating></item2>
    <item3>
        <dishname>Vada Pav</dishname>
        <details>The dish consists of a deep fried potato dumpling placed inside a bread bun sliced almost in half through the middle.</details>
```

```
<price>20/</price>  
<User_rating>3.8 stars</User_rating></item3>  
</restaurant>
```

CSS:

```
restaurant { font-size: 80%; margin: 0.5em; font-family: Verdana; display: block;  
} item1,item2,item3{ display: block; border: 1px solid silver; margin: 0.5em; padding: 0.5em;  
background-color: whitesmoke;  
}  
  
signature {  
/* display: block; */ font-weight: bolder; text-align: right; font-size: 30px; background-color: rgb(207,  
6, 63); color: white;  
}  
title { display: block; font-weight: bolder; text-align: center; font-size: 30px; background-color:  
green; color: white;  
}  
dishname,details,price,User_rating { display: block; text-align: left;  
}  
dishname {  
color: rgb(229, 8, 111); text-decoration: underline; font-weight: bolder; font-size: 20px;  
}  
details { color: green;  
}  
price { color: brown; }  
User_rating { color: blue;  
}
```

DTD:

```
<!ELEMENT restaurant (title,signature,item1,item2,item3)>  
<!ELEMENT title (#PCDATA)>  
<!ELEMENT signature (#PCDATA)>  
<!ELEMENT item1 (dishname,details,price,User_rating)>  
<!ELEMENT item2 (dishname,details,price,User_rating)>  
<!ELEMENT item3 (dishname,details,price,User_rating)>  
<!ELEMENT dishname (#PCDATA)>  
<!ELEMENT details (#PCDATA)>  
<!ELEMENT price (#PCDATA)>  
<!ELEMENT User_rating (#PCDATA)>
```

OUTPUT:

The screenshot shows a mobile application interface. At the top, there is a header bar with icons for back, forward, and search, followed by the URL "127.0.0.1:5500/0.xml". Below the header is a green banner with the text "Hello User! Welcome to our Restaurant.". The main content area displays three menu items in separate cards:

- Butter Chicken**  
It is a type of curry made from chicken with a spiced tomato and butter sauce. Its sauce is known for its rich texture.  
350/-  
4.9 stars
- Gulab Jamun**  
Gulab jamun is a sweet confectionary or dessert, originating in the Indian subcontinent and a type of mithai popular in India.  
60/- (5pcs)  
4.3 stars
- Vada Pav**  
The dish consists of a deep fried potato dumpling placed inside a bread bun sliced almost in half through the middle.  
20/-  
3.8 stars