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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>

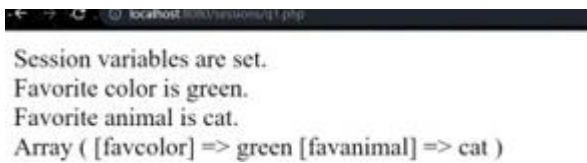
<?php
// Set session variables

$_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:

A screenshot of a web browser window with the address bar showing 'localhost:8080/sessions/q1.php'. The page content displays the following text:

```
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:

A screenshot of a web browser window with the address bar showing 'localhost:8080/sessions/q4.php'. The page content displays the following text:

```
Session destroyed  
Array ( )
```

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();

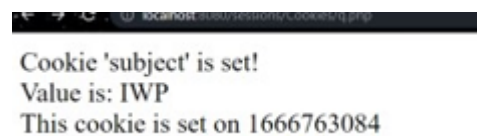
}

?>

</body>

</html>
```

OUTPUT:



Cookie 'subject' is set!
Value is: IWP
This cookie is set on 1666763084

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:



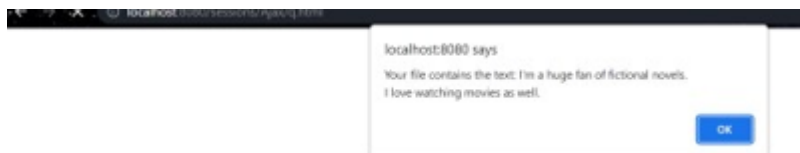
Q3. Create a text file (hobby.txt) with a paragraph (write your hobbies). Write a program using AJAX to view hobby.txt content

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:



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:



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 confectionary 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:

