NAME: DATE VAISHNAVI BHALCHANDRA

DIV: A ROLL NO: 30

SUB: WT LAB

Name: Vaishpavi Date Div: A Roll no: 30 WITLAH
Experiment No: 1
Him: Tomcat Server installation
Objectives: understand how to install torneal Server & schip environment variables
software & Hardware: Java 7 Apache tomcat server
Theory: web Application -:
1] HTTP Server- eg Google webserver. Apache http Server, Tomat Server
e] HTTP Client - eg. Internet explorer, finetox, Grougle Chrome.
BJ Database - eg Mysge, Ms Sgl Server, DB, etc.
4) client Side Program - It can be Written HTMI for Januscript etc
57 Serverside Program - could be written in java serv JSP, ASP, PHP, Port
A web apple is stier client-server database apple

Apache Tomcat: Is an open source project under spacke sow found" The other side for Tomcat is http: // temcat apache org Execution steps: 17 Go to http:// tomcot.apache.org Select version & from left side list under download Download & sun 'exe' file 4) Use default setting & provide password that you will semember 5] Then install tom cat How to sun tomcat: 1] Find start program in programs menu look under Apache Tomat & select 'start Tomat' or startup 2] Open any web browser & type given URL http:// localhost: 8080/ . How to set a path for windows: Through Command prompt Set path: (: 1 program files (x86) / Java fdt [7.0] bin conclusion we have learned how to install configure tomat suver

Name: Vaishnavi Date WT Lab Experiment No: 2 Aim: HTML, CSS, XML Objectives: Understand Basic concept of HTML, CSS & XH. Broblem statement: WAP to design segistration form for students by using HTML & ces SIW & HIW: Notepad & Browsen! Theory: HTML HTML Stands for Hyper Text Markup language HTML describes structure of web pages HTML elements are building block of HTML pages & sepresented by tags. 1991 HTML MTML Versions: HTML 1.0 1995 1. HTML 3.2 1997 HTML 401 1999 XHTML 2000 HTMLS 2014 CSS Stands for Cascading style sheets ess handles test & look part of Web page By using use one can control idox of text, sty

CSS Modules: Box model - Buckground selectors - Text effect, Animations Border - 20/30 transformation Osca Interface Technology Tool: <! DOCTYPE html> define HTML5 < html > Poot element of html page < head> element contain meta information < title > specifies a title for document < body > element contain Visible page content < h1> large heading <P> defines paragraph CSS can be added to HTML in 3 ways -1 Inline: By using style attribute in html element 1 Internal - Using & style > element in < head > Section 3 External - By using external css file Stops: 1] Write HTML code in notepad & save wit . ntml extention & cas code & save with . css e e] Import CSS file in HTML Page 3] Open HTML page in Browsen Conclusion: Pages Using HTMI & CES.

```
Program:
<html>
<head>
<title>Registration Form </title>
<style>
.con
{
width:400px;
height:400px;
background-color:pink;
color:blue;
padding:0px 10px 0px 10px;
margin:auto;
}
<u>.main</u>
{
width:400px;
height:80px;
float:left;
padding:60px 10px 10px10px;
margin: auto;
}
.con1
{
width:200px;
height:30px;
float:left;
```

margin:auto;

```
padding:0px 0px 0px0px;
}
</style>
\leq body \geq
<div class="con">
<form>
<a href="main"></a>
<u></u>
<b><br>Welcome to Registration
Page<br>
<div class="con1">
<u></u>
Full Name:
<input type="text" value=""></input>
<u></u>
<u></u>
<td><td><td><
<input type="text" value=""></input>
<u></u>
<u></u>
Department
<input type="text" value=""></input>
<u></u>
```

```
<u></u>
address:
<textarea row="3" column="2"></textarea>
<u></u>
<u></u>
email:
<input type="text" value=""></input>
<u></u>
<u></u>
phone:
<input type="text" value=""></input>
<u></u>
<u></u>
<input type="submit" value="SUBMIT">
<input type="reset" value="CANCEL">
<u></u>
</div>
</div>
</form>
<u></div></u>
<u></body></u>
<u></html></u>
```

Name: Vaishnari Date Experiment No: 3 Aim: XML & CSS Problem Statement: WAP to design book cattog by using XML ECSS to display title, author, price & year of the book SIW & HIW: Notepad. Any Browser Theory: XML Stands for extensible Markup language. It is nothing but text-based marked up language XML tags identify data & used to store & organize data gather than specify how to display it HTML tage which are used to display characterities - (1) extensible @ carrier data, does not present il 3 Public Standard Technology: The XML document have XML declaration but it is optional. L? XMI version: 1.0' encoding: 'UTF-8'7> each XMI-element needs closed either with start or end elements as shown Lelement> --- K/element> XML document can have only one soot elemen L 200t> < n> --- </n> < y> ---

Rainbow

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por an element. An AM element can have one or more attribute

 XML Tutotial

Design Steps:

- 1) white XMI code in notipad & save with XMI extention.
- extention code in notepad & save with . 185
- 3) import css file in XML page 4) open XML page in browser

Conclusion:

Pages using XML & CSS.

Program:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="ass3.css"?>
<CATALOG>
<BOOK>
<TITLE>Database Management System</TITLE>
<AUTHOR>Korth</AUTHOR>
<PRICE>500</PRICE>
<YEAR>1985</YEAR>
</BOOK>
<BOOK>
<TITLE>Computer Network</TITLE>
<AUTHOR>Tenenbaum</AUTHOR>
<PRICE>600</PRICE>
<YEAR>1985</YEAR>
</BOOK>
<BOOK>
<TITLE>Software Engineering and project Management</TITLE>
<AUTHOR>Roger Pressman</AUTHOR>
<PRICE>600</PRICE>
<YEAR>1985</YEAR>
</BOOK>
</CATALOG>
```

```
.css file:
BOOK {
Display: block;
margin-left:0;
magin-bottom: 30pt;
CATALOG {
Width:100%;
background-color: #ffffff;
}
TITLE {
Color: #ff0000;
display: block;
font-size: 20pt;
AUTHOR {
display: block;
color: #0000ff;
font-size: 20pt;
}
YEAR, PRICE {
Color:#00000;
Display: block;
Margin-left: 20pt;
}
```

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Name: Vajshnavi Date Div: A Roll no: 30 WT lab

Experiment No: 4

Aim: HTML , Java Script

Objective:

1. Understand Basic concept of Js.

2. Use Javascript for validation of data

Problem statement: WAP to design registration form for students by using HTML, css & Javascript & Perform Validation all fields are mandatory Phone no & email address

software: Notepad, Any browsen

Theory: JavaSeript is a programming language of HTML as well as web: It is preffixed for creating new centric application.

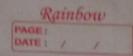
Advantages:

It requires less server interaction

- Immediate feedback to visitory - Increased interactivity

Richer enterfaces

Validation: when client enters all necessary data of prese submit button from validation es done at server side if data entered by client is



incorrect or missing. Server needs to send all data back to client & sequest for sesubmission of form must be checked to make Sure all mandatory fulds are filled in & check its value

Technology: It can be implemented using Is Statement that are place within < script> language - This altsibute Specifies with Scripting language you all using

Type- This attribute is what is now secommended to indicate Scripting language in use.

Test cases: All fields like full name class dept, address, phone no email id core mandatory fields.

Phone no should be in numbers only finail id should be in proper format like abc agmail com

Conclusion:

Hence, we applied Validate data Using Java Script.

Program:

```
<html>
<head>
<title>Registration Form Validation</title>
<style>
.con
{
width:400px;
height:400px;
background-color:pink;
color:blue;
padding:0px 10px 0px 10px;
margin:auto;
}
.main
width:400px;
height:80px;
float:left;
padding:60px 10px 10px10px;
margin: auto;
.con1
width:200px;
height:30px;
float:left;
```

```
margin:auto;
padding:0px 0px 0px0px;
</style>
<script type="text/javascript">
function Validation()
{
varemailID = document.myForm.EMail.value;
varnum=document.myForm.ph.value;
atpos = emailID.indexOf("@");
dotpos = emailID.lastIndexOf(".");
if (atpos < 1 \parallel (dotpos - atpos < 2))
alert("Please enter correct email ID")
document.myForm.EMail.focus();
return false;
else if (isNaN(num)){
document.getElementById("ph");
alert("Please enter numeric only.")
return false;
}else{
return true;
}
}
```

```
</script>
</head>
<body>
<div class="con">
<form>
<div class="main">
<b><br>Welcome to Registration
Page<br/>d>
<div class="con1">
Full Name:
<input type="text" id="FirstName" value="" required></input> 
Class:
<input type="text" id="Class" value="" required></input>
Department:
<input type="text" id="Department" value="" required></input>
address:
```

```
email Id:
<input type="text" value="" id="EMail"required></input>
phone no:
<input type="text" id="ph" value="" required></input>
<input type="submit" value="SUBMIT" onclick="return
(Validation());">
<input type="reset" value="CANCEL">
</div>
</div>
</form>
</div>
</body>
</html>
```

Nome: Valshnavi Date Div: A Roll no: 30 WT lab. Experiment No:5 Aim: JSP, Serviet & Mysgl (Backend) Objective: understand Basic Concept of html. css understand basic functionalities of TSP Having knowledge of SQL query of create DB Problem Statement: 17 Design k build student login Page using JSP. Servel, Mysal e] Design & Build employee login page using JSP servlet & Mysgl Software: Any Operating System. JDK, Editors-Net Beans | Eclipse, Web browser, tomat 7 Theory: Java Server pages -It is a server side programming technology is used to create dynamic web-based application It is a technology helps slw developers to create dynamic web pages based on HTML AMI & other document types A JSP element is type of java servlet i.e. designed accomplished role of user interface for a java Web appla Using JSP, you can collect it? from users though webpage forms werent seconds from database

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why we need JSP: - JSP is used for design dynamic web page & servlet is used to go de the logic re present in myc architecture, servlet is conholler & JSP preview.

Syntax of JSP:

declare variables < % text 10>

11 Hello-jsp

<html> <head>

etitles Jep title & titles & I heads

Lbody > < 1/2.

out printin (" welcome to JSP class");

</body>

O/P - welcome to JSP class

Technology: I JSP & servlet

2. IDE - Net Beans 7.0

3. Database - Mysgl

Test Cases: Manual testing is used validate fields
like username, password, Mobino &
email ids of user entered by user with
database.

conclusion: Hence, we have performed dynamic web application using JSP, servicet & MySQL.

```
// index.jsp
<%--
Document : Login
Created on: Dec 31, 2017, 2:07:34 PM
Author: Admin --
%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
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35
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<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-</pre>
8"> <title> Login </title>
</head>
<body>
>
<font color="#339900" size="3.5">User Login</font>
>
<form id="user1" method="post" action="User.jsp" name="s" onSubmit="return
valid()">
```

```
User Id
<input type="text" name="user1">
>
Password
<input type="password" name="pass">
<center><input type="submit" name="user" value="Login"></center>
<center>
>
<a href="SignUp.jsp"><font color="#000000" size="2"><b>New
User?</b></font></a>
</center>
</form>
</body>
</html>
```

```
//SignUp.jsp
<%@ page import="java.sql.*"%>
<%@ page import =
"java.util.Date,java.text.SimpleDateFormat,java.text.ParseException"%> <% --
Document: SignUp
Created on: Dec 30, 2017, 11:52:03 PM
Author: Admin
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-</pre>
8"> <title>JSP Page</title>
</head>
<body bgcolor="Skyblue">
<%
java.util.Date now = new java.util.Date();
String DATE_FORMAT1 = "dd/MM/yyyy";
SimpleDateFormat sdf1 = new SimpleDateFormat(DATE_FORMAT1);
String strDateNew1 = sdf1.format(now);
%>
<strong><em><font color="#990000" size="+1" face="Times New Roman"
style="text-decoration:underline">User Registration</font></em></strong>
```

```
<form name="s" action="LoginServelt.jsp" method="get" onSubmit="return
valid()">
<font face="Times New Roman" size="+1"><strong>Name</strong></font>
     <input type="text" name="unn" class="b">
<font face="Times New Roman" size="+1"><strong>User ID</strong></font>
     <input type="text" name="uidd" id="name">
<font face="Times New Roman"
size="+1"><strong>Password</strong></font>
     <input type="password" name="passs" class="b">
<font face="Times New Roman" size="+1"><strong>Mobile</strong></font>
     <input type="text" name="mobb" class="b">
<font face="Times New Roman" size="+1"><strong>Email
ID</strong></font>
    <input type="text" name="eidd" class="b">
```

```
<font face="Times New Roman" size="+1"><strong>Date</strong></font>
     <input type="text" name="date" class="b"
value="<%=strDateNew1%>">
     <input type="submit" name="s" value="submit"
class="b1" >
    <input type="reset" name="r" value="clear"
class="b1"> 
</form>
<center> < a href="index.jsp"><font color="#000000" size="2"><b>Login
Here</b></font></a>
</center>
</body>
</html>
//LoginSuccess.jsp
<%--
Document: LoginSuccess
Author: Admin
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
```

```
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-</pre>
8"> <title>JSP Page</title>
</head>
<body>
<h1> User Logged In Successfully!...</h1>
</body>
</html>
//LoginFailure.jsp
<%--
Document: LoginFailure
Created on: Dec 31, 2017, 2:42:21 PM
Author: Admin
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-</pre>
8"> <title>JSP Page</title>
</head>
<body>
<h1> <font color="Red"> Please Provide Correct Username or Password!..Retry Again!..
</font> </h1>
```

```
>
<form id="user1" method="post" action="User.jsp" name="s" onSubmit="return
valid()">
>
User Id
<input type="text" name="user1">
>
Password
<input type="password" name="pass">
>
<input type="submit" name="user"</pre>
value="Login"> 
</form>
</body>
</html>
//LoginServlet.jsp
<%@page import="java.sql.*"%>
<%@ page import="java.io.*"%>
```

```
<%@ page import = "java.util.Date,java.text.SimpleDateFormat,java.text.ParseException"%>
<%
String a = request.getParameter("uidd");
String x = request.getParameter("unn");
String b = request.getParameter("passs");
String c = request.getParameter("mobb");
String d = request.getParameter("eidd");
session.setAttribute("d",d);
//String f=request.getParameter("date");
//out.print(strDateNew1);
//out.print(x);
//out.print(b);
//out.print(c);
//out.print(d);
//out.print(f);
java.util.Date now = new java.util.Date();
String DATE_FORMAT = "yyyy-MM-dd";
SimpleDateFormat sdf = new SimpleDateFormat(DATE_FORMAT);
String strDateNew = sdf.format(now);
//response.sendRedirect("signup.jsp?message=success"); //String
userid=null;
//String m="avl";
try
Class.forName("com.mysql.jdbc.Driver");
Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/loginpage","root","root");
PreparedStatement ps=con.prepareStatement("insert into
```

```
student(sname,suserid,spass,mobile,email,date) values(?,?,?,?,"+strDateNew+"')");
//ResultSet rs=ps.executeQuery();
ps.setString(1,x);
ps.setString(2,a);
ps.setString(3,b);
ps.setString(4,c);
ps.setString(5,d);
ps.executeUpdate();
response.sendRedirect("SignUp.jsp?success");
} catch(Exception e1)
out.println(e1.getMessage());
response.sendRedirect("SignUp.jsp?Failure");%>
}
%>
//User.jsp
<%@ page import="java.sql.*;"%>
<%
String a=request.getParameter("user1");
String b=request.getParameter("pass");
String id=null,name=null,userid=null,email=null;
try{
Class.forName("com.mysql.jdbc.Driver");
Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/loginpage","root","root");
//Connection con = databasecon.getconnection();
PreparedStatement ps=con.prepareStatement("select sid,sname,suserid,email from student where
suserid=""+a+"" && spass=""+b+""");
```

```
ResultSet rs=ps.executeQuery();
if(rs.next())
{i
d=rs.getString("sid");
name=rs.getString("sname");
userid=rs.getString("suserid");
email=rs.getString("email");
session.setAttribute("sid",id);
session.setAttribute("sname",name);
session.setAttribute("suserid",userid);
session.setAttribute("email",email);
//response.sendRedirect("user5.jsp");
response.sendRedirect("LoginSuccess.jsp?Success");
//out.print(name2);
} else
{ response.sendRedirect("LoginFailure.jsp?Failure");
}}
catch(Exception e2){
out.println(e2.getMessage());
}
%>
```

PAGE: DATE: / / Name: Vaishnovi Date Divi A Roll bo: 30 WT lab Experiment No: 6 Aim: Add dynamic web application, essence using PHP, HTML & MYSQ ! objectives: To understand principles & methodologies of PHP we based applications development process. Problem Statement: pesign & develop dynamic web application using PHP & MYSQL as a back-end for employee data with insert, delete view & update options S/W & HIW seq: Ubuntu 64 bit / windows xp. XAMPP Server Intel for mls of RAM & 3200 Theory: PHP: PHP hypertext Boeprocess or (PHP) began as little open Source venture that advanced as an ever increasing no of individuals discovered how valueable it was: PHP is a Server side programming is installed HTML. It is incorporated with various prevalent databases, including Mysel, Oracle, Sybass. informing PHP Performs freaminonk Capacities is from documen on a framework it can open, read, compose &

close them.

DATE: / / chtml> chead> stitles Hello would stitles schools echo ("Hello phe"); ?> 1/body > 1/html> Off => Hello world Technology: used to PHP & tool XAMPP Server is used to execute PHP web application XAMPP server embeds the PHP, MYSQL & Phpmyadmin there 3 tools must be sequired to sun php web appl? Design | execution steps: 1) Download XAMPP & configure PHP, MYSQL Server & install of After ab 3) over command following installation window appear a) open brower & type 'localhoet' in URL 5) Started RAMPP Server of To navigate to soot folder . (d) I navigate htdocs cd apt 1/ xamp I htdocs 27 create file 9] Go to browser type localhost/ Alename, php 10] Greate Mysql dotabase. Conclusion: We have studied how to design & develop Small we apply using PHP Script, xampp with Apache Server & My sol as backend.

Program:

1. index.php

```
<?php
//including the database connection file
include_once("config.php");
//fetching data in descending order (lastest entry first)
//$result = mysql_query("SELECT * FROM users ORDER BY id DESC"); // mysql_query is
deprecated
$result = mysqli_query($mysqli, "SELECT * FROM users ORDER BY id DESC"); // using
mysqli_query instead
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?>
<html>
<head>
<title>Homepage</title>
</head>
<body>
<a href="add.html">Add New Data</a><br/>
Name
Age
Email
Update
```

```
<?php
//while($res = mysql_fetch_array($result)) { // mysql_fetch_array is deprecated, we need to
use mysqli_fetch_array
while($res = mysqli_fetch_array($result)) {
echo "";
echo "".$res['name']."";
echo "".$res['age']."";
echo "".$res['email']."";
echo "<a href=\"edit.php?id=$res[id]\">Edit</a> | <a
href=\"delete.php?id=$res[id]\" onClick=\"return confirm('Are you sure you want to
delete?')\">Delete</a>";
}
?>
</body>
</html>
2. add.html
<html>
<head>
<title>Employee Data</title>
</head>
<body>
<a href="index.php">Home</a>
<br/><br/>
<form action="add.php" method="post" name="form1">
```

```
<td>>Name</td>
<input type="text" name="name">
<td>Age < /td>
<input type="text" name="age">
Email
<input type="text" name="email">
<input type="submit" name="Submit" value="Add">
</form>
</body>
</html>
3. add.php
<html>
<head>
<title>Add Data</title>
</head>
<body>
<?php
//including the database connection file
```

```
include_once("config.php");
if(isset($_POST['Submit'])) {
$name = mysqli_real_escape_string($mysqli, $_POST['name']);
$age = mysqli_real_escape_string($mysqli, $_POST['age']);
$email = mysqli_real_escape_string($mysqli, $_POST['email']);
// checking empty fields
if(empty($name) || empty($age) || empty($email)) {
if(empty($name)) {
echo "<font color='red'>Name field is empty.</font><br/>';
}
if(empty($age)) {
echo "<font color='red'>Age field is empty.</font><br/>";
if(empty($email)) {
echo "<font color='red'>Email field is empty.</font><br/>';
}
//link to the previous page
echo "<br/>br/><a href='javascript:self.history.back();'>Go Back</a>";
} else {
// if all the fields are filled (not empty)
//insert data to database
$result = mysqli_query($mysqli, "INSERT INTO users(name,age,email)
VALUES('$name','$age','$email')");
//display success message
echo "<font color='green'>Data added successfully.";
echo "<br/>or/><a href='index.php'>View Result</a>";
}
}
```

```
?>
</body>
</html>
4. edit.php
<?php
// including the database connection file
include_once("config.php");
if(isset($_POST['update']))
{
$id = mysqli_real_escape_string($mysqli, $_POST['id']);
$name = mysqli_real_escape_string($mysqli, $_POST['name']);
$age = mysqli_real_escape_string($mysqli, $_POST['age']);
$email = mysqli_real_escape_string($mysqli, $_POST['email']);
// checking empty fields
if(empty($name) || empty($age) || empty($email)) {
if(empty($name)) {
echo "<font color='red'>Name field is empty.</font><br/>';
}
if(empty($age)) {
echo "<font color='red'>Age field is empty.</font><br/>';
if(empty($email)) {
echo "<font color='red'>Email field is empty.</font><br/>';
}
} else {
//updating the table
$result = mysqli_query($mysqli, "UPDATE users SET
```

```
name='$name',age='$age',email='$email' WHERE id=$id");
//redirectig to the display page. In our case, it is index.php
header("Location: index.php");
}
}
?>
<?php
//getting id from url
$id = $_GET['id'];
//selecting data associated with this particular id
$result = mysqli_query($mysqli, "SELECT * FROM users WHERE id=$id");
while($res = mysqli_fetch_array($result)) {
$name = $res['name'];
$age = $res['age'];
$email = $res['email'];
}
?>
<html>
<head>
<title>Edit Data</title>
</head>
<body>
<a href="index.php">Home</a>
<br/><br/>
<form name="form1" method="post" action="edit.php">
Name
```

```
<input type="text" name="name" value="<?php echo
$name;?>">
 Age 
<input type="text" name="age" value="<?php echo
$age;?>">
Email
<input type="text" name="email" value="<?php echo
$email;?>">
<input type="hidden" name="id" value=<?php echo
$_GET['id'];?>>
<input type="submit" name="update" value="Update">
</form>
</body>
</html>
5. delete.php
<?php
include("config.php");
$id = $_GET['id'];
$result = mysqli_query($mysqli, "DELETE FROM users WHERE id=$id");
```

```
header("Location:index.php");
?>
6. config.php
<?php
$database = 'localhost';
$dbName = 'test';
$dbUser = 'root';
dbPass = ";
$mysqli = mysqli_connect($database, $dbUser, $dbPass, $dbName);
?>
7. database.sql
a. create database emp;
b. use emp;
c. CREATE TABLE `users` (
'id' int(11) NOT NULL auto_increment,
`name` varchar(100) NOT NULL,
`age` int(3) NOT NULL,
`email` varchar(100) NOT NULL,
PRIMARY KEY (`id`)
);
```

Name: Vaishnavi Date Div A Roll no 30 WT Lab. Experiment No:7 Aim: Add dynamic web application exerce with PHP, AJAX & MYSQ1 Objective: to understand principles & methodologies of web browser apph" development process Problem statement: Design & develop dynamic web appl" umng PHP, AJAX & MYSGI as back-end for employee data with insert & view operation. S/W & H/W: Uburtu 69 windows XP, XAMPP server Intel PG mic with das RAM AJAX gemains asynchronous Jovasceipt & XMI AJAX i another procedure for making better speedier & more intelligent dynamic web apply with assistance xmi HTML, CGS & JS AJAX enables you to send & set information nonauxently with reloading page - AJAX speaks with Server utilizing XML Http reg - AJAX communicates with server using XML. http reg object Technology: AJAX, PHP & mysql

	Rainbow PAGE: DATE: / /
	Control of the contro
2	Design: For design Purpose Html & res to
	GUI of web applications design part contains
	GUI of web applications
	FOR INSTRUMENT
	Conclusion: loss have studied have to design &
	conclusion: We have studied how to design & develop small web application using
	PHP, javascreipt, ajax, xampp server with
0	apache server & mysor as backend.
	There was the many to the many
	march golwill a rear a hourself march
	Joseph & VALL THE DATE THAT
	torge the september of the first

Program:

1.index.html

```
<!DOCTYPE html>
```

<html>

<head>

<title>PHP Databse Example with Ajax </title>

<script

src="https://code.jquery.com/jquery-3.2.1.min.js"

integrity = "sha256-hwg4gsxgFZhOsEE amdOYGBf13FyQuiTwlAQgxVSNgt4="the control of the control o

crossorigin="anonymous">

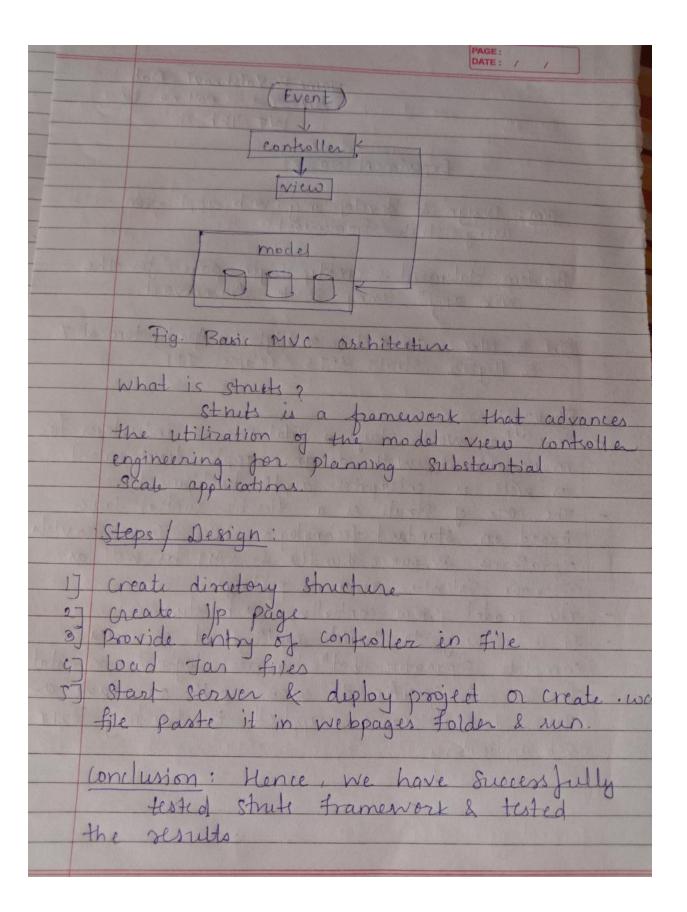
```
</script>
</head>
<body>
<h1> Enter Employee Details </h1>
<form method="post" action="insert.php">
<input type="text" id="name" name="name" placeholder="Enter Name" />
<input type="text" id="age" name="age" placeholder="Enter Age" />
<input type="text" id="city" name="city" placeholder="Enter City" />
<button> Save Data </button>
</form>
<a href="display.php">Display</a>
<!--jquery and ajax code-->
<script>
$("form").submit(function(e){
e.preventDefault();
$.post(
"insert.php",
name: $("#name").val(),
age: $("#age").val(),
city: $("#city").val()
},
function(result)
{
if(result == "success")
```

```
{
$("#result").html("Data Inserted Successfully..!");
}
else
$("#result").html("Error Occured!");
}
}
);
});
</script>
</script>
</body>
<html>
2. insert.php
<?php
$name = $_POST['name'];
$age = $_POST['age'];
$city = $_POST['city'];
$con = new mysqli('localhost', 'root', ", 'emp');
if($con->connect_error)
echo("Error");
$stmt = $con->prepare("insert into users(name,age,city) values (?,?,?)");
$stmt->bind_param("sis",$name,$age,$city);
if($stmt->execute())
```

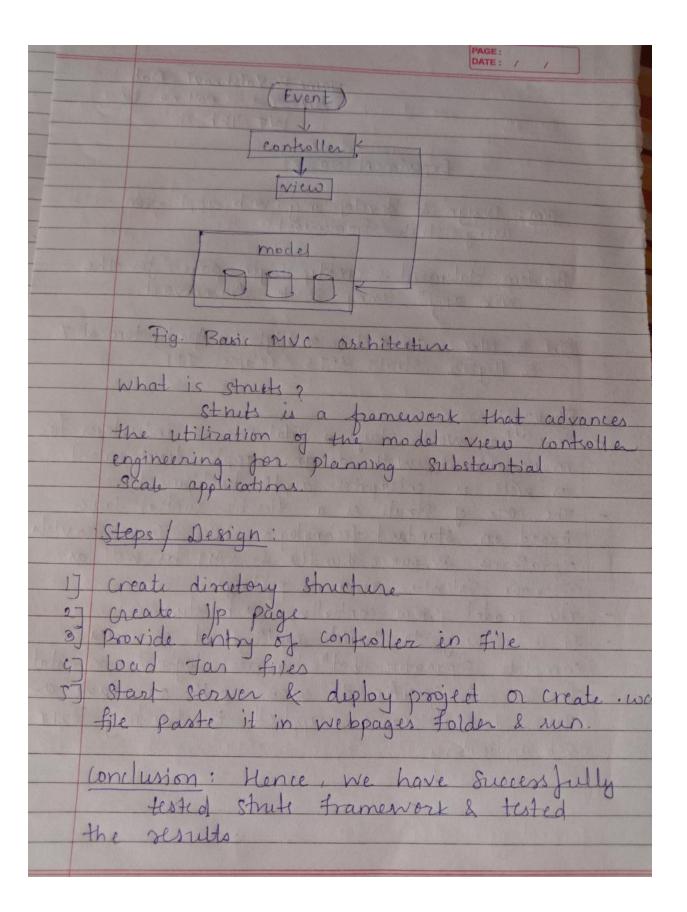
```
{
echo("success");
}
else
{
echo("fail");
}
?>
3. display.php
<?php
include_once("config.php");
//$result = mysql_query("SELECT * FROM users ORDER BY id DESC"); // mysql_query is
deprecated
$result = mysqli_query($mysqli, "SELECT * FROM users ORDER BY id DESC"); // using
mysqli_query instead
?>
<html>
<body>
<a href="index.html">Add New Data</a><br/>
Name
 Age 
CIty
<?php
//while($res = mysql_fetch_array($result)) { // mysql_fetch_array is deprecated, we need
```

```
to use mysqli_fetch_array
while($res = mysqli_fetch_array($result)) {
echo "";
echo "".$res['name']."";
echo "".$res['age']."";
echo "".$res['city']."";
echo "";
}
?>
</body>
</html>
4. config.php
<?php
$host = 'localhost';
$dbname = 'emp';
$dabUser = 'root';
$dbPass = ' ';
$mysqli = mysqli_connect($host, $dbUser, $dbPass,
$dbname);
?>
```

Rainbow
PAGE:
DATE: / / Name: Vaishnavi Date Div A Roll no : 30 WT lab Experiment No: 8 Aim: Design & develop any web application using strutt framework Problem statement: create login page for the web appl" using struct framework. SW & HIW: Java 1.7 or higher, Apachi tomcat 7 or Higher strut's APT's Ellipse . TOF Theory: The framework plays a vital Role in industries for managable & well designed apple development as well as enterprise appli development The core of Struts is a flexible control layer based on Standard technologies like Java Servlets Java Beans, Resource bundles & xMI as well as Doevious Jokosta commons package The model view controller architecture. It is a way to build apple that promotes complete separation bet business logic & presentation It is not specific to web apply on fava or JEFF, but it can be applied to building Joff Web applications



Name: Vaishenavi Date AIV- A. ROll. No- 30. WTlab Experiment - No- 9 Aim: Design & develop any web appin Using Is Problem statement: Create an application for bill payment record using Angalar Js SIW Reg :-Eclipse IDE/ Notepad, modern web browser Theory : Angular Is is open source web appl? framework. It was intitially created in 2009 by miskotheraty and atam Abrons. It presently kept by google. Its most recent adoption is 1.2.21. Angulat Is is quillary system. for dynamic Web applis. It gives you a chance to utilize HTMT as layout dialect & gives you a chance to strech out. Html linguistic structure to express your appl" parts painly & compactly. Its information official & relance infusion take out a singnificant part of code, yours of now need to Compose.



```
Rainbow
                      charge of showing all
            opinformation to the client
3) Controller
                        product code that
              Connection beth model & view
    Conclusion:
               assingment is helpful to understand
               Angular Is. MIVC model structure
                  programming
```

Program:

```
<a href="html ng-app="billpayApp">
```

<!-- SCRIPTS TO BE ADDED IN HEAD TAG --

> < head>

<title>Bill Payment Record using angular and bootstram

framework</title>

<meta http-equiv="content-type" content="text/html; charset=utf-8" />

<!-- ACCESSING ANGULARJS BY CDN METHOD-->

```
<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.4/angular.min
.js"></script>
<!-- ACCESSING STYLESHEET FOR DESIGN [OPTIONAL PART CAN BE SKIP]-->
k rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.mi
n.css">
<!-- MODEL PART-->
<script>
var model = {
customer: "Student",
items: [{
bill: "Electricity",
status: false
},
bill: "Internet(Wi/fi)",
status: false
},
bill: "Parking Charges",
status: false
},
bill: "Phone",
status: true
},
```

```
bill: "House Tax",
status: true
}
]
varbillpayApp = angular.module("billpayApp", []);
billpayApp.controller("billpayctrl", function($scope)
{ $scope.billpay = model;
$scope.dueBills = function() {
var items = $scope.billpay.items;
var counter = 0;
items.forEach((item) => {
if (!item.status) {
counter++;
}
})
return counter;
} $
scope.redFlag =
function() {
return $scope.dueBills() <= 2 ? "label-success" : "label-danger";</pre>
$scope.addBills = function(billName)
\{ obj = \{
bill: billName,
status: false
} $
scope.billpay.items.push(obj);
```

```
} $
scope.removeBills =
function(rmvBills) {
$scope.billpay.items.splice($scope.billpay.items.indexOf(rmvBills), 1);
}
});
</script>
</head>
<!-- HTML BODY PART-->
<body ng-controller="billpayetrl">
<div class="container">
<div class="page-header">
<h1>{{billpay.customer}}'s Bill's remained to Be Paid -
<span class="lable" ng-class="redFlag()" ng-hide="dueBills()==0">
{{dueBills()}}
</span>
</h1>
</div>
<h3><center><b>Add extra biller fields if any</center></b></h3>
<div class="panel">
<div class="input-group">
<input class="form-control" ng-model="billName" />
<span class="input-group-btn">
<button class="btnbtn-danger" ngclick="
addBills(billName)">+ADD+</button>
</span>
</div>
```

```
<thead>
Bill Name
Status
Status
Close
</thead>
<tbodyng-model="rmvBills">
<trng-repeat="item in billpay.items" ng-model="item">
{{item.bill}}
<input type="checkbox" ng-model="item.status" />
{{item.status}}
<button type="button" ng-click="removeBills(item)">&times;</button>
</div>
</div>
</div>
</body>
</html>
```

Mame: Vaisharavi Pate Div - A. Roll No - 30 WT Lab

Experiment No-10

Aim :- Web application using EJB.

Problem statement: Design develop & deploy web application using EIB.

S/W Reg - 1. Ubuntu 64 bit/windows

- 2. JDK 7 or Higher.
- 3. EJB 3.0.
- 4. Eclipse/una.
- 5. I Boss appl? server.

Theory.

Java Beans:

J2EE apply Container contains the components that Can be used by clients for executing the business logic.

These Components are known as enterprise Java Bean (EJB). J2EE platform has components based architectures to provide multified, distributed & highly transactional features to enterprize Level apply.

It is used for developling very much schable. rebusiness enterprise level applies to be deployed application, sever such as JBOSS loop logic etc make development of EJB based applications. features of EJBS. clinet comm ?: i) state management. i) Transaction mangement. iii) Database connection management. (v) User Authentication & Role based Authoraization 1) Asynchronous messaging vi) Apply Server administration. Types of Enterprise Java Beans (FJB). 1. Session Beans. a. Entity Beans. 3. Message Driven Beans. Enterprise Java, Beaus Architecture :-The EJB architecture is an extension of web architecture. It was an add altier.

The clients ob an enterprise bean can be a tradition

Java apple, applet, JSP or servlet.

Design | Execution steps: Design ETB project Start IBOSS & delay it on IBOSS Server Design html & ISP Files with an extention of Html & JSP. Run the appl" in browser & get the result Condusion :-Hence we have created a simple EJBS Stateless session bean & Local Java apply client which will call / invoke the bean to develop for performing addition of two number.