



Taxi For Sure

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Goals

People have always used Autos (Automatic Rickshaws) and hired cabs using Cab Service providers. One has to first call such provider, ask for availability of cab, tell him about the time constraints, bargain for rate, etc. This is often an annoying process because of too much human intervention. The time has changed now, mobile applications can do all of it at a single tap. There are many factors that have influenced this transformation like technological advances, professionalism, and general recognition of human beings as most important resources.

A computer based management system is designed to handle all the primary information required to hire/rent a cab anywhere, anytime! Separate database is maintained to handle all the details required for the correct statement calculation and generation.

Our Project's name is 'Taxi For Sure' developed in PHP/JAVA and SQL. It provides all the services at power of your hand.

SPECIFICATIONS

Our main page opens up with a Sign In Form that also has a Check Status.

We have used function.php and config.php to enhance efficiency. The codes for which are given below.

‘function.php’

```
<div align="center">
```

```
<?php
```

```
function test_input($data) {  
    $data = trim($data);  
    $data = stripslashes($data);  
    $data = htmlspecialchars($data);  
    return $data;  
}
```

```
/*Cleans an array to protect against injection attacks.*/
```

```
function f_clean($array) {  
    return array_map('mysql_real_escape_string', $array);  
}
```

```
/*Connects to and selects the specified database with the specified user.*/
```

```
function f_sqlConnect($user, $pass, $db) {  
    $link = mysql_connect('localhost', $user, $pass);
```

```
if (!$link) {  
    die('Could not connect: ' . mysql_error());  
}  
  
$db_selected = mysql_select_db($db, $link);  
  
if (!$db_selected) {  
    die('Can\'t use ' . $db . ': ' . mysql_error());  
}  
}  
  
?>  
</div>
```

'config.php'

```
<div align="center">
```

```
<?php
```

```
/*Configuration Settings*/
```

```
/*MySQL Settings*/
```

```
/*Database name*/
```

```
define('DB_NAME', 'forms1');
```

```
/*Database user*/
```

```
define('DB_USER', 'root');
```

```
/*Database user password*/
```

```
define('DB_PASSWORD', '');
```

```
/* Chances are you won't need to change the following three  
settings. Only do so if you know what you're doing.*/
```

```
/*Database host*/
```

```
define('DB_HOST', 'localhost');
```

```
?>
```

```
</div>
```

'signin.php'

```
<body background = "Taxi-For-Sure-Logo.png" width = "10%">
<div align="center">
<h1>Sign in</h1>
<form action = "process0.php" method = "post"/>
<input type = "hidden" name = "formID" value = ""/>
<input type = "hidden" name = "redirect_to" value = "www.google.com"/>
<p>User Name: <input type = "text" name = "uname"></p>
<p>Password: <input type = "text" name = "pwd"></p>
<input type = "submit" value = "Sign In">
</form>
<br>
<h1>Check Status</h1>
<a href="checkout.php"> <h3>Go Ahead</h3> </a>
</div>
</body>
```

The user may check the status of his/her existing bookings or sign in to make a new booking. If a matching username and password are not found in the database, the user is directed to a signup form on his will.

'signup.php'

```
<div align="center">
<form action = "process1.php" method = "post"/>
<input type = "hidden" name = "formID" value = "form1"/>
<input type = "hidden" name = "redirect_to" value = "www.google.com"/>
<p>User Name: <input type = "text" name = "uname"></p>
<p>Password: <input type = "text" name = "pwd"></p>
<p>Name: <input type = "text" name = "name"></p>
<p>Phone No: <input type = "text" name = "no"></p>
<p>Gender: <input type = "radio" name = "sex" value = "male" checked> Male
<br> <input type = "radio" name = "sex" value = "female"> Female
<input type = "submit" value = "Submit">
</form>
</p>
</div>
```

The data entered in signup.php is processed further in process1.php

‘process1.php’

```
<div align="center">
```

```
<?php
```

```
require_once('config.php');
```

```
require_once('functions.php');
```

```
error_reporting(E_ALL ^ (E_NOTICE | E_DEPRECATED));
```

```
session_start();
```

```
/*Open the connection to our database use the info from the config file.*/
```

```
$link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);
```

```
/*This cleans our $_POST array to prevent against SQL injection attacks.*/
```

```
$_POST = f_clean($_POST);
```

```
/*These are the main variables we'll use to process the form.*/
```

```
$table = $_POST['formID'];
```

```
$uname = test_input($_POST['uname']);
```

```
$pwd = crypt($_POST['pwd']);
```

```
$name = test_input($_POST['name']);
```

```
$no = test_input($_POST['no']);
```

```
$sex = test_input($_POST['sex']);
```



```
$_SESSION['user'] = $uname;

/*Insert out values into the database.*/
$result = mysql_query("INSERT INTO $table (uname, pwd, name, no, sex)
VALUES ('$uname', '$pwd', '$name', '$no', '$sex')");

if (!$result) {
    die('User name already exists!, Please choose another user name,
//Error: ' . mysql_error());
}

echo 'User successfully signed up!<br>';

/*Close our database connection.*/
mysql_close();

// Works if session cookie was accepted
//echo '<br /><a href="demo-form.php"> <h3>Continue</h3> </a>';

// Or maybe pass along the session id, if needed
//echo '<br /><a href="demo-form.php?" . SID . "'> <h3>Continue</h3> </a>';

/*Redirect the user after a successful form submission*/
echo '<form action = "demo-form.php" method = "post">';
echo '<input type = "submit" value = "Continue">';
echo '</form>';
```



```
?>
```

```
</div>
```

**In case user already has an account, the data entered in
signin.php**

is then processed through process0.php

‘process0.php’

```
<div align="center">
```

```
<?php
```

```
require_once('config.php');
```

```
require_once('functions.php');
```

```
// Start Session
```

```
session_start();
```

```
//echo 'Inside process0.php';
```

```
/*Open the connection to our database use the info from the config file.*/
```

```
$link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);
```

```
/*This cleans our $_POST array to prevent against SQL injection attacks.*/
```

```
$_POST = f_clean($_POST);
```

```
/*These are the main variables we'll use to process the form.*/
```

```
$table = $_POST['formID'];
$username = $_POST['uname'];
$password = $_POST['pwd'];
$_SESSION['user'] = $username;
$i = 1;

/*Check for corresponding value in database.*/
$result = mysql_query("SELECT * FROM form1 WHERE uname = '$username'");

if($result === FALSE)
    die(mysql_error());

while($rows = mysql_fetch_array($result))
{
    $chk_pwd = $rows['pwd'];
    if(crypt($password, $chk_pwd) == $chk_pwd)
        $GLOBALS['i'] = 2;
}

if ( $i == 1 ) {
    echo 'No such User exists! You can go back or Sign up.<br><br><br>';
    echo '<form action = "signin.php" method = "post">';
    echo '<input type = "submit" value = "Go Back">';
    echo '</form>';
    echo '<br>';
    echo '<form action = "signup.php" method = "post">';
    echo '<input type = "submit" value = "Sign Up">';
}
```

```
        echo '</form>';
    }
    else
    {
        //echo $i;

        //$query = mysql_query("SELECT * FROM form1 WHERE name =
'$uname' && pwd = '$pwd'");
        header('Location: demo-form.php');
    }

    /*Close our database connection.*/
    mysql_close();

    /*Redirect the user after a successful form submission*/
    // Works if session cookie was accepted
    //echo '<br /><a href="demo-form.php"> <h3>Continue</h3> </a>';

    // Or maybe pass along the session id, if needed
    //echo '<br /><a href="demo-form.php?' . SID . '"> <h3>Continue</h3> </a>';

?>
</div>
```

When finally, the user becomes a member he/she is directed to demo-form.php to proceed with booking.

'demo-form.php'

```
<div align="center">
<?php
session_start();
?>
<h1>WHERE ARE YOU HEADED TODAY?</h1>
<form action = "process2.php" method = "post"/>
<input type = "hidden" name = "formID" value = ""/>
<input type = "hidden" name = "redirect_to" value = "www.google.com"/>
<p>From: <select name="from">
  <option value="Anand Vihar">Anand Vihar</option>
  <option value="Preet Vihar">Preet Vihar</option>
  <option value="Surya Niketan">Surya Niketan</option>
  <option value="Ram Vihar">Ram Vihar</option>
</select></p>
<p>To: <select name="to">
  <option value="Anand Vihar">Anand Vihar</option>
  <option value="Preet Vihar">Preet Vihar</option>
  <option value="Surya Niketan">Surya Niketan</option>
  <option value="Ram Vihar">Ram Vihar</option>
</select></p>

<input type = "submit" value = "Proceed">
</form>
</div>
```

The user's data is then processed through process2.php .

'process2.php'

```
<div align="center">
```

```
<?php
```

```
require_once('config.php');
```

```
require_once('functions.php');
```

```
// Start Session
```

```
session_start();
```

```
//echo 'Inside process0.php';
```

```
/*Open the connection to our database use the info from the config file.*/
```

```
$link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);
```

```
/*This cleans our $_POST array to prevent against SQL injection attacks.*/
```

```
$_POST = f_clean($_POST);
```

```
/*These are the main variables we'll use to process the form.*/
```

```
$from = $_POST['from'];
```

```
$_SESSION['from'] = $from;
```

```
$to = $_POST['to'];
```

```
$uname = $_SESSION['user'];
```

```
$_SESSION['newlocation'] = $to;
```

```
if($from === $to)
{
    echo 'Destination and Source can\'t be same. Please re-enter choices.';
    echo '<br /><a href="demo-form.php"> <h3>Go Back</h3> </a>';
}

else
{
    /*Check for corresponding value in database.*/
    $result = mysql_query("SELECT * FROM form2 WHERE location = '$from'");

    if($result === FALSE)
        die(mysql_error());

    if ( !mysql_num_rows($result) ) {
        echo 'We\'re sorry but no taxis are available now. You could choose
another source.';
        echo '<form action = "demo-form.php" method = "post">';
        echo '<input type = "submit" value = "Go Back">';
        echo '</form><br><br>';
        echo '<form action = "exit.php" method = "post">';
        echo '<input type = "submit" value = "Exit">';
        echo '</form>';
    }

    else
```

```
{
$temp = mysql_query("SELECT * FROM form1 WHERE uname = '$uname'");
$row = mysql_fetch_array($temp);
$username = $row['name'];
    echo '<h1>We have the following cabs available for you, '.$username.'</h1>';

while($rows = mysql_fetch_array($result))
    {
        //echo '<form action = "transit.php" method = "post">';
        echo '<br> Vehicle Name: '.$rows['vname'];
        echo '<br>Vehicle Reg. No: '.$rows['vno'];
        echo '<br>      AC: '.$rows['ac'];
        echo '<br>Time of arrival: '.$rows['toa'].' minutes';
        echo '<br>';
    }

echo '<br><br>Enter the Reg. no of one of the above, that you want to book.<br>';
echo '<form action = "setsession.php" method = "post"/>';
echo '<input type = "text" name = "vno">';
echo '<input type = "submit" value = "Book!"/>';
echo '</form>';

echo '<br><br>Or alternatively you can choose a car of your choice.<br>';
echo '<form action = "setsession1.php" method = "post"/>';
echo 'Search Name: <input type = "text" name = "vname"><br>';
```



```
echo 'AC/Non-AC (AC = 1, Non-Ac = 0): <input type = "text" name = "ac"><br>';  
echo '<input type = "submit" value = "Book!"/>';  
echo '</form>';
```

```
echo '<br><br>Click here to sort Cars by time of arrival. The shortest ones being  
first.<br>';  
echo '<form action = "sort.php" >';  
echo '<input type = "submit" value = "Sort"/>';  
echo '</form>';
```

```
}
```

```
}
```

```
/*Close our database connection.*/  
mysql_close();
```

```
?>
```

```
</div>
```

A list of available cabs is then displayed on the basis of user's source and destination. This whole process involves the following files.

'session.php'

```
<div align="center">
```

```
<?php
```

```
require_once('config.php');
```

```
require_once('functions.php');
```

```
date_default_timezone_set('Asia/Kolkata');
```

```
// Start Session
```

```
session_start();
```

```
    //echo 'Inside process0.php';
```

```
    /*Open the connection to our database use the info from the config file.*/
```

```
    $link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);
```

```
    $_SESSION['vno'] = $_POST['vno'];
```

```
    $vno = $_POST['vno'];
```

```
    $uname = $_SESSION['user'];
```

```
    $query = mysql_query("SELECT * FROM form1 WHERE uname = '$uname'");
```

```

$row = mysql_fetch_array($query);

$_SESSION['uname'] = $row['uname'];

$query = mysql_query("SELECT * FROM form2 WHERE vno = '$vno' ");

while($rows = mysql_fetch_array($query))
{
    //echo '<form action = "transit.php" method = "post">';
    echo '<br> Vehicle Name: '.$rows['vname'];
    $_SESSION['vname'] = $rows['vname'];
    echo '<br>Vehicle Reg. No: '.$rows['vno'];
    echo '<br>          AC: '.$rows['ac'];
    $_SESSION['ac'] = $rows['ac'];
    echo '<br>Time of arrival: '.$rows['toa'].' minutes';
    $_SESSION['toa'] = $rows['toa'];

}

echo '<form action = "book.php">';
echo '<input type = "submit" value = "Book!">';
echo '</form>';

?>

</div>

```

'setsession1.php'

```
<div align="center">
```

```
<?php
```

```
require_once('config.php');
```

```
require_once('functions.php');
```

```
date_default_timezone_set('Asia/Kolkata');
```

```
// Start Session
```

```
session_start();
```

```
/*Open the connection to our database use the info from the config file.*/
```

```
$link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);
```

```
$_SESSION['vname'] = $_POST['vname'];
```

```
$_SESSION['ac'] = $_POST['ac'];
```

```
$vname = $_POST['vname'];
```

```
$ac = $_POST['ac'];
```

```
$uname = $_SESSION['user'];
```

```
$from = $_SESSION['from'];
```

```
$query = mysql_query("SELECT * FROM form1 WHERE uname = '$uname'");
```

```

$row = mysql_fetch_array($query);

$_SESSION['uname'] = $row['uname'];

$query = mysql_query("SELECT * FROM form2 WHERE vname = '$vname'
AND ac = '$ac' AND location = '$from' ");

while($rows = mysql_fetch_array($query))
{
    //echo '<form action = "transit.php" method = "post">';
    echo '<br> Vehicle Name: '.$rows['vname'];
    $_SESSION['vname'] = $rows['vname'];
    echo '<br>Vehicle Reg. No: '.$rows['vno'];
    echo '<br>          AC: '.$rows['ac'];
    $_SESSION['ac'] = $rows['ac'];
    echo '<br>Time of arrival: '.$rows['toa'].' minutes';
    $_SESSION['toa'] = $rows['toa'];
    echo '<br><br>';
}
echo '<br><br>Enter the Reg. no of one of the above, that you want to book.<br>';
echo '<form action = "setsession.php" method = "post"/>';
echo '<input type = "text" name = "vno">';
echo '<input type = "submit" value = "Book!"/>';
echo '</form>';
?>

</div>

```

'sort.php'

```
<div align="center">

<?php

require_once('config.php');
require_once('functions.php');

date_default_timezone_set('Asia/Kolkata');

// Start Session

session_start();

        /*Open the connection to our database use the info from the config file.*/
        $link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);

$from = $_SESSION['from'];
$to = $_SESSION['newlocation'];
$username = $_SESSION['user'];

if($from === $to)
{
        echo 'Destination and Source can\'t be same. Please re-enter choices.';
        echo '<br /><a href="demo-form.php"> <h3>Go Back</h3> </a>';
}
```

```

else
{
//      echo 'Variables recieved User Name = '.$uname.', pwd = '.$pwd;

      /*Check for corresponding value in database.*/
      $result = mysql_query("SELECT * FROM form2 WHERE location = '$from'
ORDER BY toa");

      if($result === FALSE)
          die(mysql_error());

if ( !mysql_num_rows($result) ) {
    echo 'We\'re sorry but no taxis are available now. You could choose
another source.';
    echo '<form action = "demo-form.php" method = "post">';
    echo '<input type = "submit" value = "Go Back">';
    echo '</form><br><br>';
    echo '<form action = "exit.php" method = "post">';
    echo '<input type = "submit" value = "Exit">';
    echo '</form>';
}

else
{
$temp = mysql_query("SELECT * FROM form1 WHERE uname = '$uname'");
$row = mysql_fetch_array($temp);
$username = $row['name'];
    echo '<h1>We have the following cabs available for you, '.$username.'.</h1>';

```

```

while($rows = mysql_fetch_array($result))
{
    //echo '<form action = "transit.php" method = "post">';
    echo '<br> Vehicle Name: '.$rows['vname'];
    echo '<br>Vehicle Reg. No: '.$rows['vno'];
    echo '<br>          AC: '.$rows['ac'];
    echo '<br>Time of arrival: '.$rows['toa'].' minutes';
    echo '<br>';
}

echo '<br><br>Enter the Reg. no of one of the above, that you want to book.<br>';
echo '<form action = "setsession.php" method = "post"/>';
echo '<input type = "text" name = "vno">';
echo '<input type = "submit" value = "Book!"/>';
echo '</form>';

echo '<br><br>Or alternatively you can choose a car of your choice.<br>';
echo '<form action = "setsession1.php" method = "post"/>';
echo 'Search Name: <input type = "text" name = "vname"><br>';
echo 'AC/Non-AC (AC = 1, Non-Ac = 0): <input type = "text" name = "ac"><br>';
echo '<input type = "submit" value = "Book!"/>';
echo '</form>';
}
}

/*Close our database connection.*/
mysql_close();
?> </div>

```


'book.php' //to confirm booking

//This removes the cab selected by the user from the list of available cabs.

```
<div align="center">
```

```
<?php
```

```
require_once('config.php');
```

```
require_once('functions.php');
```

```
// Start Session
```

```
session_start();
```

```
/*Open the connection to our database use the info from the config file.*/
```

```
$link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);
```

```
/*This cleans our $_POST array to prevent against SQL injection attacks.*/
```

```
$_POST = f_clean($_POST);
```

```
$vname = $_SESSION['vname'];
```

```
$vno = $_SESSION['vno'];
```

```
$ac = $_SESSION['ac'];
```

```
$toa = $_SESSION['toa'];
```

```
$location = $_SESSION['newlocation'];
```

```
$uname = $_SESSION['user'];
```

```
$del = mysql_query("DELETE FROM form2 WHERE vno = '$vno' ");

if(!$del)
    echo 'Deletion unsuccessful';

$ins = mysql_query("INSERT INTO form3 VALUES( '$vname', '$vno', '$ac',
'$toa', '$location', '$uname' ) ");

if(!$ins)
    echo 'Insertion unsuccessful';

echo 'Your taxi has been booked!';
echo '<form action = "signin.php">';
echo '<input type = "submit" value = "Go to Main Page">';
echo '</form>';

?>

</div>
```

The user is then informed that his booking has been confirmed and is then redirected to the main page where he/she can check the status of the booking. For the sake of simplicity, we've assumed as soon as the user checks for status, the cab arrives in 5 seconds and transports him/her to the destination. The cab is now standing at the destination provided by the user. Also, the cab is now tagged to be available.

‘checkout.php’

```
<div align="center">

<?php

session_start();

echo 'Enter username';
echo '<form action = "setuser.php" method = "post" >';
echo '<input type = "hidden" name = "formID" value = ""/>';
echo '<input type = "hidden" name = "redirect_to" value = "www.google.com"/>';
echo '<p>User Name: <input type = "text" name = "uname"></p>';
echo '<input type = "submit" value = "Check">';
echo '</form>';

?>

</div>
```

‘setuser.php’

```
<div align="center">

<?php

require_once('config.php');
require_once('functions.php');
```

```
// Start Session
```

```
session_start();
```

```
/*Open the connection to our database use the info from the config file.*/
```

```
$link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);
```

```
$_SESSION['customer'] = $_POST['uname'];
```

```
$uname = $_SESSION['customer'];
```

```
$query = mysql_query("SELECT * FROM form3 WHERE uname = '$uname' ");
```

```
while($rows = mysql_fetch_array($query))
```

```
{
```

```
    echo '<br> User Name: '.$rows['uname'];
```

```
    echo '<br> Vehicle Name: '.$rows['vname'];
```

```
    echo '<br>Vehicle Reg. No: '.$rows['vno'];
```

```
    echo '<br>          AC: '.$rows['ac'];
```

```
    echo '<br>Time of arrival: '.$rows['toa'];
```

```
    echo '<br>Arriving at: '.$rows['location'].'<br><br>';
```

```
}
```

```
if(mysql_num_rows($query) == 0)
```

```
{
```

```
    echo '<br>You have not booked with us yet!';
```

```
        mysql_close();
        echo '<br /><a href="signin.php"> <h3>Go Back</h3> </a>';
    }

    else
    {
        mysql_close();
        echo '<br /><a href="countdown.php"> <h3>Continue</h3> </a>';
    }

?>

</div>
```

Some of the special files used.

countdown.php

```
<?php
```

```
session_start(); ?>
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="refresh" content="5;url=http://localhost/core/restore.php" />
```

```
<title>Countdown Sample</title>
```

```
</head>
```

```
<body>
```

```
<div align="center">
  Your cab/s is ariving in <span id="seconds">5</span>...
  <script>
    var seconds = 5;
    setInterval(
      function(){
        document.getElementById('seconds').innerHTML = --seconds;
      }, 1000
    );
  </script>
</div>
</body>
</html>
```

‘restore.php’ //makes the cab available again at the new location

```
<div align="center">

<?php

require_once('config.php');
require_once('functions.php');

// Start Session

session_start();
```

```
/*Open the connection to our database use the info from the config file.*/
$link = f_sqlConnect(DB_USER, DB_PASSWORD, DB_NAME);

//var_dump($_SESSION['customer']);
$username = $_SESSION['customer'];

$query = mysql_query("SELECT * FROM form3 WHERE uname = '$username' ");

if(!$query)
{
    echo 'Customer not found.';
}
else
{
    while($rows = mysql_fetch_array($query))
    {
        $_SESSION['vname'] = $rows['vname'];
        $_SESSION['vno'] = $rows['vno'];
        $_SESSION['ac'] = $rows['ac'];
        $_SESSION['toa'] = $rows['toa'];
        $_SESSION['location'] = $rows['location'];


        $vname = $_SESSION['vname'];
        $vno = $_SESSION['vno'];
        $ac = $_SESSION['ac'];
```

```
$toa = $_SESSION['toa'];
$location = $_SESSION['location'];

$del = mysql_query("DELETE FROM form3 WHERE uname = '$uname' AND vno = '$vno' ");

if(!$query)
{
    echo 'Deletion Unsuccessful';
}
else
{
    $ins = mysql_query("INSERT INTO form2 VALUES( '$vname', '$vno', '$ac', '$toa', '$location') ");
    if(!$ins)
        echo 'Insertion Unsucessful';
    else
    {
        echo '<br>Arrived at '.$location.'!';
        echo '<br>Have a safe journey!<br>';
        echo '<br /><a href="signin.php"> <h3>Exit</h3> </a>';
    }
}
}
}
?>

</div>
```

We've made our best efforts to make our program on par with real world complexity. We couldn't have completed this without the help and support provided by our teachers Mrs. Indu Chawla and Mrs. Sangeeta Mittal. **We've made sure the passwords are encrypted as suggested by Mrs. Sangeeta.**