

## OCEF Finance System

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### Outline

- ▶ Form Validation
- ▶ Security
- ▶ Image Saving
- ▶ PDF Generator
- ▶ Email Notification
- ▶ Examine & Detail Structure

### Form Validation

#### ▶ Javascript

- ▶ <form onSubmit="return isValid()">
- ▶ var rdate = document.getElementById("rdate");

```
if (rdate.value.search(/^[0-9]{2})\x2F((0[1-9])|(1[0-2]))|(1-9))\x2F((0[1-9])|(1[0-2])|(3[0-1]))|(1-9))$/)!=0) {
    alert ("Please enter a valid date.");
    rdate.focus();
    rdate.select();
    return false; }
```

### Form Validation (Continued)

- ▶ var amountI = document.getElementById("amountI");

```
if(amountI.value.search(/^[1-9]{1}[0-9]*|([0]0)|([0])\.[0-9][0-9]?$/))
    && (amountI.value!=""){
    alert ("Amount should be in digit.");
    amountI.focus();
    amountI.select();
    return false; }
```

### Form Validation (Continued)

- ▶ var pemail=document.getElementById("email");

```
if ((pemail.value!=null)||) && (pemail.value.search(/[a-z0-9_-]+\.[a-z0-9_-]+?@[a-z0-9_-]+\.[a-z0-9_-]+\.[a-z0-9_-]+$/)!=0) {
    alert ("Please enter a valid Email.");
    pemail.focus();
    pemail.select();
    return false;
}
```

### Security

```
if($num_rows==0) { header("Location: LogInFailed.php");}
else if ($num_rows==1 && ($per["permission"]=="admin" ||
$per["permission"]=="supervisor" ||
$per["permission"]=="president" ||
$per["permission"]=="treasury" ||
$per["permission"]=="accountant")) {
    $_SESSION["noBackFlag"] = 'set';
    header("Location: selection.php"); exit;}
else if ($num_rows==1 && $per["permission"]=="user") {
    $_SESSION["noBackFlag"] = 'set';
    header("Location: selectionLimited.php");}
else { header("Location: LogInFailed.php");}
```

### Security (Continued)

```
<?php
session_start();
if(!isset($_SESSION['noBackFlag'])){
echo "<font color=#800080> <center>
You Must Login First!</center> </font>";
echo '<br/>';
echo "<center><a href='http://localhost/02-23-10/index.php'>
Click Here to Login</a></center>";
die;}>
```

### Security (Continued)

```
<?php
session_start();
session_destroy();
?>
```

You Must Login First!  
[Click Here to Login](#)

### Image Saving

- Check The Size

```
$maxsize=10000;
if($_FILES[$file]['size'] > $maxsize) {
    $limit = $_FILES[$file]['size']/1000;
    $limit = round($limit,2);
    echo "<font color=#800080> *System Cannot Upload \"/>
```

### Image Saving (Continued)

- Existing of File

```
else if(is_dir("/Applications/MAMP/htdocs/02-23-10/ocel/")) {
    if($handle = opendir("/Applications/MAMP/htdocs/02-23-10/users/".$_SESSION['userid'])) {
        while(false != ($filesInServer = readdir($handle))) {
            if($filesInServer == basename($_FILES[$file]['name'])) {
                echo "<font color=#800080> *System Cannot Upload \"/>
```

### Image Saving (Continued)

- Saving the Path of Uploaded Files

```
if($flag2==0) {
    $file_array[$array_index] = $file;
    $file_name_array .= $_SESSION['userid'].'.basename($_FILES[$file]['name']).";";
    $array_index++;
}
```

```
if(basename($_FILES[$file]['name'])=="") {
    $array_index++;
    if($_FILES[$file]['size'] > $maxsize) {
        $limit = $_FILES[$file]['size']/1000;
        $limit = round($limit,2);
        echo "<font color=#800080> *System Cannot Upload \"/>
```

## Image Saving (Continued)

```
<?php
function save($nameArray) {
    $length = sizeof($nameArray);
    for($i=0; $i<$length; $i++) {
        $name = $nameArray[$i];

        try {
            if(!is_uploaded_file($_FILES[$name][ 'tmp_name' ])) {

                $target_path = 'users/' . $_SESSION['userid'] . '/' . basename($_FILES[$name][ 'name' ]);
                if(move_uploaded_file($_FILES[$name][ 'tmp_name' ], $target_path)) {
                    // echo "The file " . basename($_FILES[$name][ 'name' ]) .
                    // " has been uploaded";
                }
                else {
                    echo "There was an error uploading the file, please try again!";
                }
            }
        }
        catch(Exception $e) {
            echo $e->getMessage();
            echo "Sorry, could not upload files";
        }
    }
}
?>
```

## Image Saving (Continued)

### ► Retrieve The Image

```
<?php
$img=$_GET['img'];
if ($img!=""){
    $imgdir = split('/', $img);
    for ($i=0; $i<count($imgdir); $i++)
    { $img = $imgdir[$i];
      echo "<a href='http://localhost/02-23-10/users/{$img}'>{$img}</a><br>";
    }
    else{echo "There are no images associated with this voucher!";}
}
?>
```

## PDF Generator

- **What is FPDF?**
- FPDF is a PHP class which allows to generate PDF files with pure PHP.
- F from FPDF stands for Free.
- Tools That was Used
  - Page header and footer management
  - Automatic page break
  - Image support (JPEG, PNG and GIF)
  - Colors

## PDF Generator (Continued)

### ► Naming & Saving of PDF

```
$pdfFileName=date("F d, Y, h:i:s A");
$pdf->Output('users/' . $_SESSION['userid'] . '/' . $pdfFileName . '.pdf', F);
$pdfPath = $_SESSION['userid'] . '/' . $pdfFileName . '.pdf';
$result = mysql_query("UPDATE ReinVoucher SET PDF = '$pdfPath' WHERE Vid = '$vid' ");
if (!$result) {
    die("Invalid query: " . mysql_error());
}
}
```

## Email Notification

```
if($f1 != 1 && $f2 != 1 && $f3 != 1) {
    $subject = "Thank You for Your Submission";
    $headers = "From: FINANCE@OCEP.COM\r\n";
    $headers .= "Reply-To: FINANCE@OCEP.COM\r\n";
    $message = "Greetings,\r\n";
    $message .= "\r\n";
    $message .= "Here at OCEP finance team we would like to inform you that we have recieved your \r\n";
    $message .= "request. You will be notified with the outcome of your request within 2 to 3 weeks \r\n";
    $message .= "\r\n";
    $message .= "after the committee reviews your request.\r\n";
    $message .= "\r\n";
    $message .= "Regards,\r\n";
    $message .= "OCEP Finance Team";
    mail($_SESSION['user_email'], $subject, $message, $headers);

    $sql4 = "SELECT email FROM users where permission = 'president'";
    $result4 = mysql_query($sql4);
    $emailp = mysql_fetch_array($result4);
    $emailP = $emailp['email'];

    $subject2 = "New Submission";
    $headers2 = "From: FINANCE@OCEP.COM\r\n";
    $headers2 .= "Reply-To: FINANCE@OCEP.COM\r\n";
    $message2 = "\r\n";
    $message2 .= "Dear President,\r\n";
    $message2 .= "\r\n";
    $message2 .= "Here at OCEP finance team we would like to inform you that we have recieved a new \r\n";
    $message2 .= "voucher request. The requester's Voucher ID is '$vid'. Please take a note of that. \r\n";
    $message2 .= "\r\n";
    $message2 .= "Regards,\r\n";
    $message2 .= "OCEP Finance Team";
    mail($emailP, $subject2, $message2, $headers2);
}
```

## Examine & Detail Structure

```
$sql = "SELECT Vid, Rfname, Rlname, PDF FROM ReinVoucher ORDER BY Vid";
$result=mysql_query($sql);

$number = 1;
echo "Reimbursement Voucher";
echo "<br>";
echo "<br>";

echo "<table cellpadding='0' cellspacing='0' border='1'>";
echo "
<tr>
<th width='30' align='left'>No. </th>
<th width='120' align='center'>Voucher ID</th>
<th width='120' align='center'>First Name</th>
<th width='120' align='center'>Last Name</th>
<th width='120' align='center'>View</th>
<th width='120' align='center'>Download PDF</th>";
while($row = mysql_fetch_array($result)) {
    echo "
<tr>
<td align='center'>$number</td>
<td align='center'>{$row['Vid']}</td>
<td align='center'>{$row['Rfname']}</td>
<td align='center'>{$row['Rlname']}</td>
<td align='center'><a href='http://localhost/02-23-10/detail.php?vid={$row['Vid']}'>Detail</a></td>
<td align='center'><a href='http://localhost/02-23-10/users/{$row['PDF']}'>PDF</a></td>";
    $number++;
}
echo "</table>";
```

### Examine & Detail Structure (Continued)

Reimbursement Voucher

No.	Voucher ID	First Name	Last Name	View	Download PDF
1	92	John	Bank	<a href="#">Detail</a>	<a href="#">PDF</a>
2	93	Ali	Rex	<a href="#">Detail</a>	<a href="#">PDF</a>

[Back](#)

### Examine & Detail Structure (Continued)

```

<?php
if (isset($_SESSION) ) {
    session_start();
}
$vid = $_GET['vid'];
$_SESSION['voucherID'] = $vid;
mysql_connect("localhost", "root", "root") OR DIE ("Sorry!..mysql_error());
// select the db;
mysql_select_db ("finance") OR DIE ("Unable to select db".mysql_error());
// our sql query

$sql1 = "SELECT * FROM Reimbursement where Vid = '$vid' ";
$sql2 = "SELECT * FROM Reimbursement where Vid = '$vid' ";
$sql3 = "SELECT statusP FROM Status where Vid = '$vid' ";
$sql4 = "SELECT statusS FROM Status where Vid = '$vid' ";
$sql5 = "SELECT statusA FROM Status where Vid = '$vid' ";
$sql6 = "SELECT statusA FROM Status where Vid = '$vid' ";

$result=mysql_query($sql1);
$result=mysql_query($sql2);
$result=mysql_query($sql3);
$result=mysql_query($sql4);
$result=mysql_query($sql5);
$result=mysql_query($sql6);

$statusSp = mysql_fetch_array($result3);
$statusSu = mysql_fetch_array($result4);
$statusSt = mysql_fetch_array($result5);
$statusSa = mysql_fetch_array($result6);

$statusSp = $statusSp["statusP"];
$statusSu = $statusSu["statusS"];
$statusSt = $statusSt["statusA"];
$statusSa = $statusSa["statusA"];
    
```

### Examine & Detail Structure (Continued)

Voucher ID: 92  
Request Date: 06/06/09  
Requester First Name: John  
Requester Last Name: Bank  
Requester Contact: (604) 555-7878

Authority	Status	Remarks
President:	Approve	<input type="button" value="3"/>
Supervisor:	Approve	<input type="button" value="3"/>
Treasury:	Approve	<input type="button" value="3"/>
Accountant:	Approve	<input type="button" value="3"/>

[New Changes](#)

Payee First Name: Max  
Payee Last Name: Kahan  
Payee Title: N/A  
Payee Group: FIN  
Payee Address: 808 Saddle  
Payee Tel: (604) 555-8232  
Payee Cell: (604) 555-5232  
Payee Email: mskhan2@usdnet.gsu.edu  
Payee Account: 5052117909  
Payee Bank: Atlanta

Activity: Walking  
Date: 06/25/09  
Receipt: Receipt

Date	Type	Description	Amount	Bank
07/12/11	Payment	Fun	100.25	2
09/12/12	Supplies	mike	23.23	1

Total: 123.48 USD

### Examine & Detail Structure (Continued)

```

if($_SESSION['permission'] == 'president') {
    echo "<form name = 'form' method='post' action = 'updateStatus.php'>";
    echo "<table align='right' cellpadding='0' cellspacing='0' border='0'>";
    echo "<tr bgcolor='#F0F0F0'>";
    echo "<td align='center' colspan='2'>Status:</td>";
    echo "<td align='center' colspan='2'><input type='button' value='3' /></td>";
    echo "</tr>";
    echo "<tr>";
    echo "<td align='center' colspan='2'>President:</td>";
    echo "<td align='center' colspan='2'><input type='button' value='3' /></td>";
    echo "</tr>";
    echo "<tr>";
    echo "<td align='center' colspan='2'>Supervisor:</td>";
    echo "<td align='center' colspan='2'><input type='button' value='3' /></td>";
    echo "</tr>";
    echo "<tr>";
    echo "<td align='center' colspan='2'>Accountant:</td>";
    echo "<td align='center' colspan='2'><input type='button' value='3' /></td>";
    echo "</tr>";
    echo "</table>";
    echo "</form>";
}
    
```

### Examine & Detail Structure (Continued)

#### Updating The Status

```

if($_SESSION['permission'] == 'president') {
    $result1 = mysql_query("UPDATE Status SET statusP = '".$_POST['statusP']."' WHERE Vid = '".$_SESSION['voucherID']."'");
    if (!$result1) {
        die("Invalid query: " . mysql_error());
    }
    $subject = "STATUS UPDATED";
    $headers = "From: PRESIDENT@USDCOR.COM\n";
    $headers .= "Reply-To: PRESIDENT@USDCOR.COM\n";
    $message = "Dear Supervisor,\n";
    $message .= "\n";
    $message .= "The status of Voucher ID: '".$_SESSION['voucherID']."' has changed. Please take a note of that.\n";
    $message .= "\n";
    $message .= "Regards,\n";
    $message .= "President of USDC";
    mail($email, $subject, $message, $headers);
    header("Location: detail.php?vid=".$_SESSION['voucherID']);
}
    
```

### Conclusion

- This Project was a great learning experience
- Exposure to a New Language
- Raised my skill in web and Database development