6.3 IMPLEMENTATION DIFFICULTIES:

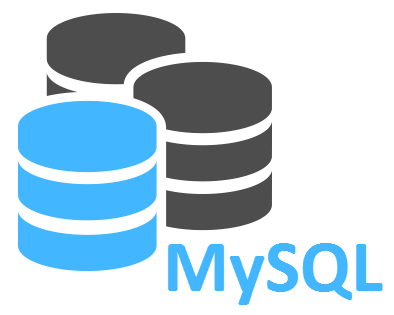
6.4 IMPLEMENTATION DETAILS:

as we see that our system includes both application and website, so here is specification for each platform .The application is advanced to be under android platform , we used PHP as API to allow the application being communicate with project server and MySQL as a database tool furthermore, JSON for data transformation and interchanging between our application and server.

API

MySQL DATABASE

Android application







JSON parser

**Figure 6-1 : Mobile application development**

In addition, for the website platform we used PHP as API to allow website pages being communicate with project server and MySQL as a database tool furthermore, JSON, AJAX for data transformation and interchanging between our pages and server to make

The usability more interactive by sharing small amounts of data with web provider.

**6.4.1 Code:**

In this section of the implementation chapter, we are going to mention parts of source code of main functions for the application and website.

**6.4.1.1 Organizer privilege:**

The organizer has a privilege to do many tasks after using the website and the application. In this figure we're going to display most of the functions that the organizer can do it after using the website/application.

Log In

Manage prize

Manage event

Manage certificate

Manage badge

Manage email

Manage subevent

Statistics

Add badge

Send email

Add event

Chose prize winner

edit badge

Create email template

Edit event

Show event details

**Figure 6-2 : organizer privilege interfaces**

**Table 6-4:Add event function code**

|  |
| --- |
| **Function name:** Add event |
| **Description :** this function allow the organizer to add event while he using the website |
| |  | | --- | | if (isset($\_SESSION['emailconfirm']) and $\_SESSION['emailconfirm'] == 1) { | |  | if (isset($\_POST['add'])) { | |  | $eventName = $\_POST['eventName']; | |  | $EventDescription = $\_POST['description']; | |  | $sdate = $\_POST['sdaytime'] . ' 00:00:00.000'; | |  | $datestart = date('Y-m-d', strtotime($sdate)); | |  | $edate = $\_POST['edaytime'] . ' 00:00:00.000'; | |  | $dateend = date('Y-m-d', strtotime($edate)); | |  | $location = $\_POST['location']; | |  | $organizationName = $\_POST['organizer']; | |  | $maxAttendee = $\_POST['maxAttendee']; | |  | if ($datestart > $dateend) { | |  | echo " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> فشل </strong> يرجى التحقق من تاريخ بداية ونهاية الحدث | |  | </div> "; | |  | } else { | |  | $IDT = $\_SESSION['organizerID']; | |  | $sql = mysqli\_query($con, "INSERT INTO event ( event\_ID, name\_Event, descrption\_Event ,sartDate\_Event,endDate\_Event,location\_Event,organization\_name\_Event,maxNumOfAttendee,organizer\_ID) VALUES ('','$eventName','$EventDescription','$datestart','$dateend','$location','$organizationName','$maxAttendee','$IDT')") or die(mysqli\_error($con)); | |  | if ($sql) { | |  | header("location: /tactic/manageEvent.php"); | |  | exit; | |  | } else { | |  | echo " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> فشل</strong> لم تتم عملية الاضافة بنجاح يرجى التحقق | |  | </div> "; | |  | } | |  | }} | |  | } else { | |  | echo " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> يرجى</strong> تثبيت الايميل لكي تتمكن من أضافة حدث | |  | </div> "; | |  | } | |  | ?> | |

**Table 6-5: send email function code**

|  |
| --- |
| **Function name:** Send email |
| **Description :** This function allow the organizer to send email for all type of attendees |
| |  |  |  | | --- | --- | --- | | $mail = new PHPMailer\PHPMailer\PHPMailer(); | | | |  | | $mail = new PHPMailer\PHPMailer\PHPMailer(); | | |  | $mail->CharSet = "utf-8"; | | | | |  | $mail->SMTPKeepAlive = true; | | | | |  | $mail->SMTPOptions = array( | | | | |  | 'ssl' => array( | | | | |  | 'verify\_peer' => false, | | | | |  | 'verify\_peer\_name' => false, | | | | |  | 'allow\_self\_signed' => true | | | | |  | ) | | | | |  | ); | | | | |  | $mail->IsSMTP(); // enable SMTP | | | | |  | //$mail->SMTPDebug = SMTP::debugDumpParams; | | | | |  | $mail->SMTPDebug = 0;// debugging: 1 = errors and messages, 2 = messages only | | | | |  |  | | | | |  | $mail->SMTPAuth = true; // authentication enabled | | | | |  | $mail->SMTPSecure = 'tls'; // secure transfer enabled REQUIRED for Gmail | | | | |  | $mail->Host = "smtp.gmail.com"; | | | | |  | $mail->Port = 587; // or 587 | | | | |  | $mail->IsHTML(true); | | | | |  | $mail->Username = 'tacticevent131@gmail.com'; | | | | |  | $mail->Password = 'marwa123456789'; | | | | |  | $mail->setfrom('tacticevent131@gmail.com', 'tactic'); | | | | |  | ////////////////////////////////////////////////////////////// | | | | |  | if (isset($\_GET['event\_ID'])) { | | | | |  | $event\_ID = $\_GET['event\_ID']; | | | | |  | $query = mysqli\_query($con, "SELECT \* FROM event WHERE event\_ID = '$event\_ID' ") or die(mysqli\_error($con)); | | | | |  | $rows = mysqli\_fetch\_array($query); | | | | |  | $eventName = $rows['name\_Event']; | | | | |  | $eventDate = $rows['sartDate\_Event']; | | | | |  | if (isset($\_GET['all'])) | | | | |  | $sql = mysqli\_query($con, "SELECT \* FROM attendee WHERE eventId = '$event\_ID' ") or die(mysqli\_error($con)); | | | | |  | elseif (isset($\_GET['VIP'])) | | | | |  | $sql = mysqli\_query($con, "SELECT \* FROM attendee WHERE eventId = '$event\_ID'AND VIPcode !=0") or die(mysqli\_error($con)); | | | | |  | elseif (isset($\_GET['normal'])) { | | | | |  | $sql = mysqli\_query($con, "SELECT \* FROM attendee WHERE eventId = '$event\_ID' AND VIPcode = 0 ") or die(mysqli\_error($con)); | | | | |  | } //isset($\_GET['normal']) | | | | |  | } //isset($\_GET['event\_ID']) | | | | |  | if ($sql) { | | | | |  | $x = 0; | | | | |  | while ($row = mysqli\_fetch\_array($sql)) { | | | | |  | $email\_Att[$x] = $row['email']; | | | | |  | $mail->AddAddress($row['email']); | | | | |  | $name[$x] = $row['name']; | | | | |  | $mensaje = file\_get\_contents('emailTemplate.html'); | | | | |  | $mensaje = str\_replace("{{USERNAME}}", $name[$x], $mensaje); | | | | |  | $mensaje = str\_replace("{{eventName}}", $eventName, $mensaje); | | | | |  | $mensaje = str\_replace("{{eventDate}}", $eventDate, $mensaje); | | | | |  | $x++; | | | | |  | if (isset($\_POST['submit'])) { | | | | |  | $subject = $\_POST['subject']; | | | | |  | $body = $\_POST['message']; | | | | |  | if (isset($\_POST['logo'])) | | | | |  | $logo = $\_POST['logo']; | | | | |  | $mail->Subject = $subject; | | | | |  | $mensaje = str\_replace("{{subject}}", $body, $mensaje); | | | | |  | $mensaje = str\_replace("{{eventLogo}}", $logo, $mensaje); | | | | |  |  | | | | |  | $mail->Body = $mensaje ; | | | | |  | if (!$mail->send()) { | | | | |  | $masg = " <div class='alert alert-danger alert-dismissible'> | | | | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | | | | |  | <strong> حدث خطأ </strong> غير متوقع ! فضلا حاول مرة اخرى. | | | | |  | </div> "; | | | | |

**Table 6-6:chose prize winner function code**

|  |
| --- |
| **Function name:** chose prize winner. |
| **Function description:** this function chose a prize winner from the attendees with his/her name, phoneNumber , email , nationality . |
| |  |  | | --- | --- | |  | if (isset($\_POST['save'])) {  $prizeId = $\_GET['prizeId']; | |  | // in case the user try to save more the one time we will delete old values and add the new winners | |  | $query = "DELETE from attendeewinners where prizeId=$prizeId"; | |  | // to get the record of prize that already added from add page | |  | $prizeQuery = mysqli\_query($con, "SELECT \* FROM prize WHERE prize\_ID ='$prizeId' ") or die(mysqli\_error($con)); | |  | $row = mysqli\_fetch\_row($prizeQuery); | |  | $numOfPrize = $row[2]; | |  | for ($countPrize = 0; $countPrize < $numOfPrize; $countPrize++) { | |  |  | |  | $attendeeId = $\_POST['attendeeId' . $countPrize]; | |  |  | |  | $query = "INSERT INTO attendeewinners (attendeeId, prizeId) | |  | VALUES ($attendeeId,$prizeId)"; | |  |  | |  | $sql = mysqli\_query($con, $query) or die(mysqli\_error($con)); | |  | if (!$sql) { | |  | $isSuccessOperation = false; | |  | break; | |  | } | |  | } | |
| |  | | --- | |  | |  |  | |  | if ($isSuccessOperation) { | |  | header("location: /tactic/managePrize.php"); | |  | exit; | |  | } else { | |  | // in case we have any problem with saving winners we will delete all winner related with this | |  | //prize to start another clean operation | |  |  | |  | $query = "DELETE from attendeewinners where prizeId=$prizeId"; | |  | $sql = mysqli\_query($con, $query) or die(mysqli\_error($con)); | |  | echo "<div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | لم تتم عملية حفظ الفائزين بنجاح يرجى الإعادة | |  | </div> "; | |  | } | |  | } | |  | if (isset($\_GET['prizeId'])) { | |  | $prizeId = $\_GET['prizeId']; | |  |  | |  | // to get the record of prize that already added from add page | |  | $prizeQuery = mysqli\_query($con, "SELECT \* FROM prize WHERE prize\_ID ='$prizeId' ") or die(mysqli\_error($con)); | |  | $row = mysqli\_fetch\_row($prizeQuery); | |  | $namePrize = $row[1]; | |  | $numOfPrize = $row[2]; | |  | $eventId = $row[3]; | |  | $subEventId = $row[4]; | |  |  | |  |  | |  | // to load the winners that already selected in case we have them | |  | if (!isset($\_POST['chooseWinner'])) { | |  | // to get the record of prize that already added from add page | |  | $query = "Select att.id , att.name,phone,email,na.Name as | |  | nationalityName ,DOB from attendeewinners at winner join attendee att on att.id=atw.attendeeId | |  | inner join nationality na on na.Id=att.nationalityId where atw.prizeId =$prizeId"; | |  | $winnerQuery = mysqli\_query($con, $query)or die(mysqli\_error) | |  | |

**Table 6-7: edit badge function code**

|  |
| --- |
| **Function name:** edit attendee badge |
| **Function description:**  this function give the organizer the ability to edit the organizer badge when ever he want with specific color ,size ,code place. |
| |  | | --- | |  | |  | |  | function calculateX($value)  { | |  | $yposition = strpos($value, "Y"); | |  | $xpostion = strpos($value, "X"); | |  | $left = substr($value, $xpostion + 1, $yposition - 1); | |  | return $left; | |  | } | |  |  | |  | function calculateY($value) | |  | { | |  | $yposition = strpos($value, "Y"); | |  | $top = substr($value, $yposition + 1); | |  | return $top; | |  | } | |  |  | |  | // this section for get the event name from DB for curent organizer | |  | $query = mysqli\_query($con, "SELECT \* FROM event where organizer\_ID='$organizerID ' ") or die(mysqli\_error()); | |  | //get the value of drop-down list for barcode size, font color and font size from DB | |  | $barcodesize = mysqli\_query($con, "SELECT \* FROM barcodesize ") or die(mysqli\_error()); | |  | $color = mysqli\_query($con, "SELECT \* FROM color ") or die(mysqli\_error()); | |  | $fontsize=mysqli\_query($con, "SELECT \* FROM fontsize ") or die(mysqli\_error()); | |  |  | |  | // to get the badge type from lookup tabel | |  | $badgeTypeQuery = mysqli\_query($con, "SELECT \* FROM badgetype") or die(mysqli\_error()); | |  |  | |  | $badgeIfo = mysqli\_query($con, "SELECT \* FROM badge b INNER JOIN imageinfo img ON img.badgeId = b.badge\_ID | |  | where b.badge\_ID='$badgeIdForEdit ' ") | |  | or die(mysqli\_error()); | |  |  | |  | $row = mysqli\_fetch\_array($badgeIfo); | |  | $eventIdEd= $row[2]; | |  | $BadgeTypeEd= $row[1]; | |  | $colorEd=$row[8]; | |  | $barSizeEd=$row[9]; | |  | $fontSizeEd=$row[10]; | |  | $imageEd=$row[6]; | |  | $imageinfoId=$row[7]; | |  | $namePosition=$row[12]; | |  | $careerPosition=$row[13]; | |  | $barcodePosition=$row[14]; | |  | $imagePosition=$row[15]; | |  |  | |  | $name = $row[3]; | |  | $size = $row[4]; | |  | $type = $row[5]; | |  | $location = $row[6]; | |  | $badgeName=substr($type,6); | |  | $chechUpload=1; | |  | if (isset($\_POST['add'])) { | |  | $eventId = $\_POST['eventId']; | |  | $badgeTypeId = $\_POST['badgeTypeId']; | |  |  | |  | if ($BadgeTypeEd!= $badgeTypeId){ | |  | $checkQuery = mysqli\_query($con, "SELECT \* FROM badge WHERE event\_ID='$eventId' and BadgeTypeId='$badgeTypeId'") or die(mysqli\_error()); | |  | if (mysqli\_num\_rows($checkQuery) > 0) { | |  | $chech=0; | |  | }else{ | |  | $chech=1;} | |  | }else{ | |  | $chech=1;} | |  |  | |  | if ($chech== 0) { | |  | $message= " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> فشل</strong> الحدث مرتبط ببطاقة مسبقا لايمكن اتمام العملية | |  | </div> "; | |  |  | |  | } else { | |  |  | |  | if ( !empty($\_FILES["fileToUpload"]["name"])) { | |  |  | |  | $name = $\_FILES['fileToUpload']['name']; | |  | $size = $\_FILES['fileToUpload']['size']; | |  | $type = $\_FILES['fileToUpload']['type']; | |  | $tmp\_name = $\_FILES['fileToUpload']['tmp\_name']; | |  | $badgeName=substr($type,6); | |  | // add eventId & badgeTypeId to the name of file to make sure the name is unique | |  | $location = "UploadFile/".$eventId."/".$badgeTypeId.$eventId.".".$badgeName; | |  |  | |  | // save image in Specific position | |  | if (move\_uploaded\_file($tmp\_name, $location)) { | |  | true; | |  | }else {$message= " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> فشل</strong> يوجد خطأ في حفظ الملف | |  | </div> "; | |  | $chechUpload=0; | |  | } | |  | } | |  |  | |  | if ($chechUpload=1||$chechUpload=0){ | |  | $max\_size = 100000; | |  | if ($size <= $max\_size) { | |  | // check the type of image | |  | if ($type=="image/jpg"|| $type=="image/JPG" ||$type=="image/jpeg"|| $type=="image/JPEG"){ | |  |  | |  | if($chechUpload!=0){ | |  | // add info of new badge to the DB | |  |  | |  | $visitorName = $\_POST["name"];//position | |  | $visitorCareer = $\_POST["career"];//position | |  | $visitorBarcode = $\_POST["barcode"];//position | |  | $imgPosition= $\_POST["imgPosition"];//position | |  | $color=$\_POST["color"]; | |  | $barSize=$\_POST["barSize"]; | |  | $fontSize=$\_POST["fontSize"]; | |  |  | |  | $sql = mysqli\_query($con, "UPDATE badge set BadgeTypeId='$badgeTypeId',event\_ID='$eventId',badgeTemplateName='$name',badgeTemplateSize='$size',badgeTemplateType='$type',badgeTemplateLocation='$location' | |  | where badge\_ID='$badgeIdForEdit' ") or die(mysqli\_error($con)); | |  |  | |  | $sqlimage = mysqli\_query($con, "UPDATE imageinfo set color='$color' ,barSize='$barSize' ,fontSize='$fontSize' ,badgeId='$badgeIdForEdit',namePosition='$visitorName ',careerPosition='$visitorCareer', | |  | barcodePosition='$visitorBarcode',imgPosition='$imgPosition' where imageId='$imageinfoId'") or die(mysqli\_error($con)); | |  | ///Check if add badge to DB has been done Successfully | |  | if ($sql && $sqlimage) { | |  | header("location: /tactic/manageBadge.php"); | |  | } else { | |  | $message=" <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> فشل</strong> لم تتم عملية التعديل بنجاح يرجى التحقق | |  | </div> "; | |  | } | |  | } | |  | } else { | |  | // for size message | |  | $message= " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | يرجى التحقق من صيغة الملف يجب ان تكون من نوع (JPG)(JPEG) | |  | </div> "; | |  | } | |  | } else | |  | $message= " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | تنبيه أكبر حجم للملف هو 10 ميغا | |  | </div> "; | |  | }//end | |  | }// end else | |  | } //end add | |  | ?> | |  |  | |  | <!DOCTYPE html> | |  | <html lang="ar"> | |  |  | |

**Table 6-8: add certificate function code**

|  |
| --- |
| **Function name:** add certificate |
| **Function description:** this code allow the organizer to add certificate for each attendee who attend |
| |  | | --- | |  | |  | // this section for get the event name fro DB $query = mysqli\_query($con, "SELECT \* FROM event where organizer\_ID= '$organizerid'") or die(mysqli\_error()); | |  |  | |  | if (isset($\_POST['add']) && !empty($\_FILES["fileToUpload"]["name"])) { | |  |  | |  | $eventId = $\_POST['eventId']; | |  |  | |  | $checkQuery = mysqli\_query($con, "SELECT \* FROM certificate WHERE event\_ID='$eventId'") or die(mysqli\_error()); | |  |  | |  | if (mysqli\_num\_rows($checkQuery)>0) { | |  | echo " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> فشل</strong> الحدث مرتبط بشهادة مسبقا لايمكن اتمام العملية | |  | </div> "; | |  |  | |  | } else { | |  |  | |  | $name = $\_FILES['fileToUpload']['name']; | |  | $size = $\_FILES['fileToUpload']['size']; | |  | $type = $\_FILES['fileToUpload']['type']; | |  | $tmp\_name = $\_FILES['fileToUpload']['tmp\_name']; | |  | $location = "UploadFile/certificate/"; | |  |  | |  | $max\_size = 100000; | |  | if ($size <= $max\_size) { | |  | if (move\_uploaded\_file($tmp\_name, $location . $name)) { | |  |  | |  | // add info of new badge to the DB | |  |  | |  | $sql = mysqli\_query($con, "INSERT INTO certificate | |  | (event\_ID,templateName, | |  | templateSize,templateType, templateLocation) | |  | VALUES ('$eventId','$name' ,'$size', '$type', '$location$name')") or die(mysqli\_error($con)); | |  | ///Check if add badge to DB has been done Successfully | |  | if ($sql) { | |  | header("location: /tactic/manageCertificate.php"); | |  | } else { | |  | echo " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> فشل</strong> لم تتم عملية الاضافة بنجاح يرجى التحقق | |  | </div> "; | |  | } | |  | } else { | |  | echo " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> فشل</strong> يوجد خطأ في حفظ الملف | |  | </div> "; | |  |  | |  | } | |  | } else { | |  | // for size message | |  | echo " <div class='alert alert-danger alert-dismissible'> | |  | <button type='button' class='close' data-dismiss='alert'>&times;</button> | |  | <strong> يرجى</strong> أكبر حجم للملف هو 10 ميغا | |  | </div> "; | |  |  | |  |  | |  |  | |  |  | |