**System Testing**

| **Unit Testing** | 1 |
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| **Test Description:** | Applicant sign up for the system |
| **Input** | $txtUserID = ‘B1901000’  $txtUserName = ‘Test User’  $txtPassword = ‘123456’  $txtUserType = ‘APP’ (Hidden Field)  $txtEmail =’testuser@gmail.com’  $txtContact = ‘0123456789’ |
| **Source Code** | $dt = new DateTime();  $txtUserID = strtoupper($\_REQUEST['txtUserID']);  $txtUserName = strtoupper($\_REQUEST['txtUserName']);  $txtPassword = $\_REQUEST['txtPassword'];  $txtUserType = strtoupper($\_REQUEST['drpUserType']);  $txtEmail = $\_REQUEST['txtEmail'];  $txtContact = $\_REQUEST['txtContact'];  $txtStatus = 'N';  $txtUIDCreated= "SYSTEM";  $txtDateCreated = $dt->format('Y/m/d');  $stmt = $conn->prepare("INSERT INTO lf\_gbl\_user(comp\_code,user\_id,user\_name,password,type,status,email,contact\_no,lf\_date\_created,lf\_uid\_created)VALUE(?,?,?,?,?,?,?,?,?,?)");  $stmt->bind\_param("ssssssssss",$txtComCode,$txtUserID,$txtUserName,$txtPassword,$txtUserType,$txtStatus,$txtEmail,$txtContact,$txtDateCreated,$txtUIDCreated);  $result = $stmt->execute();  $stmt->close();    echo "<script type='text/javascript'>alert('Record has been successful...');window.location = '$redirect\_url'</script>"; |
| **Expected Outcome** | Pop up message: ‘Record Has Been Successful…’  Database : record each of the attributes is successful stored.  Redirect to Login page. |
| **Actual Outcome** |  |

**System Testing**

| **Unit Testing** | 2 |
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| **Test Description:** | Applicant Login |
| **Input** | $txtUserID = ‘B1901000’  $txtPassword = ‘123456’ |
| **Source Code** | $txtUserID = $\_REQUEST['txtUserID'];  $txtPassword = $\_REQUEST['txtPassword'];  $stmt = $conn->prepare("SELECT user\_id,user\_name,type from lf\_gbl\_user WHERE user\_id = ? and password = ?");  $stmt->bind\_param("ss",$txtUserID,$txtPassword);  $stmt->execute();  $stmt->bind\_result($token2,$token3,$token4);  if ($stmt->fetch()) {  // user existed       $loginUserID = $token2;       $loginUserType = $token4;       $stmt->close();  $result = true;  } else {  // user not existed  $stmt->close();  $result = false;  }  if($result)  {  header("Location: $redirect\_url\_logon\_mainpage");  exit();  } |
| **Expected Outcome** | Redirect to user main page with user information. (B1901000) |
| **Actual Outcome** |  |

**System Testing**

| **Unit Testing** | 3 |
| --- | --- |
| **Test Description:** | Register University with Admin |
| **Input** | $txtUniversityCode = ‘TARUC’  $txtUniversityName = ‘Tunku Abdul Rahman University College’  $txtUniversityEmail = ‘taruc@gmail.com’  $txtUniversityContact = ‘0123456789’ |
| **Source Code** | $txtUniversityCode = strtoupper($\_REQUEST['txtUniversityCode']);  $txtUniversityName = strtoupper($\_REQUEST['txtUniversityDesc']);  $txtUniversityEmail = strtoupper($\_REQUEST['txtUniversityEmail']);  $txtUniversityContact = strtoupper($\_REQUEST['txtUniversityContact']);  $txtStatus = 'N';  $txtLocked = 0;  $txtUIDCreated= $Session\_UserID;  $txtDateCreated = $dt->format('Y/m/d'); |
| **Expected Outcome** | Pop up message: ‘Record Has Been Successful…’  University Database : record each of the attributes is successful stored.  User Database: Based on the attributes, create an user base on the university code.  Redirect to user main page. |
| **Actual Outcome** |  |

**System Testing**

| **Unit Testing** | 4 |
| --- | --- |
| **Test Description:** | Setup Qualification (Edit Mode) |
| **Input** | $txtQualificationCode = ‘A-Levels’ (unable to Edit)  $txtQualificationDesc = ‘A-Levels Certificate’  $txtAverageBestOf = ‘3’  $txtMinScore = ‘2’  $txtMaxScore = ‘4’  $txtGradeSystem = ‘A=4.00;B=3.00;C=2.00;D=1.00;E=0.00;’  $txtGradeSubject = ‘ENGLISH;MATHEMATIC;ADD.MATHEMATIC;SCIENCE;ADD.SCIENCE;’ |
| **Source Code** | $dt = new DateTime();  $txtComCode = 'MY';  $txtQualificationCode = strtoupper($\_REQUEST['txtQualificationCode']);  $txtQualificationDesc = strtoupper($\_REQUEST['txtQualificationDesc']);  $txtAverageBestOf = $\_REQUEST['txtAverageBestOf'];  $txtMinScore = $\_REQUEST['txtMinScore'];  $txtMaxScore = $\_REQUEST['txtMaxScore'];  $txtGradeSystem = strtoupper($\_REQUEST['txtGradeSystem']);  $txtGradeSubject = strtoupper($\_REQUEST['txtGradeSubject']);  $txtStatus = 'N';  $txtUIDCreated= $Session\_UserID;  $txtDateCreated = $dt->format('Y/m/d');  $stmt = $conn->prepare("UPDATE lf\_gbl\_qualification SET qualification\_desc = '$txtQualificationDesc', average\_best\_of = '$txtAverageBestOf', min\_score = '$txtMinScore', max\_score = '$txtMaxScore', grade\_system = '$txtGradeSystem', grade\_subject = '$txtGradeSubject',lf\_uid\_last\_modified = '$txtUIDCreated', lf\_date\_last\_modified='$txtDateCreated' WHERE comp\_code = ? AND qualification\_code = ?");  $stmt->bind\_param("ss",$txtComCode,$txtQualificationCode);  $result = $stmt->execute();  $stmt->close();  echo "<script type='text/javascript'>alert('Record has been successful...');window.location = '$redirect\_url'</script>"; |
| **Expected Outcome** | Search : the record user want to modify.  Pop up message: ‘Record Has Been Successful…’  Database : record each of the attributes is successful updated.  Redirect to user main page. |
| **Actual Outcome Before Edit** |  |
| **Actual Outcome After Edit** |  |

**System Testing**

| **Unit Testing** | 5 |
| --- | --- |
| **Test Description:** | Setup University (Edit Mode) and Update University Admin Information. |
| **Input** | $txtUniversityCode = ‘TARUC’ (unable to edit)  $txtUniversityName = ‘TAR University College’  $txtUniversityEmail = ‘taruc@edu.my’  $txtUniversityContact = ‘0123456789’ |
| **Source Code** | $txtUniversityCode = strtoupper($\_REQUEST['txtUniversityCode']);  $txtUniversityName = strtoupper($\_REQUEST['txtUniversityDesc']);  $txtUniversityEmail = strtoupper($\_REQUEST['txtUniversityEmail']);  $txtUniversityContact = strtoupper($\_REQUEST['txtUniversityContact']);  $txtStatus = 'N';  $txtLocked = 0;  $txtUIDCreated= $Session\_UserID;  $txtDateCreated = $dt->format('Y/m/d');  $stmt = $conn->prepare("UPDATE lf\_gbl\_university SET uni\_desc = '$txtUniversityName',uni\_email ='$txtUniversityEmail',uni\_contact='$txtUniversityContact',lf\_uid\_last\_modified = '$txtUIDCreated', lf\_date\_last\_modified='$txtDateCreated' WHERE comp\_code = ? AND uni\_code = ?");  $stmt->bind\_param("ss",$txtComCode,$txtUniversityCode);  $result = $stmt->execute();  if($result){  $cf->autoGenerateAdmin($txtUniversityCode,$txtUniversityContact,$txtUniversityEmail,$actionType);  }  public function autoGenerateAdmin($uniCode,$uniContact,$uniEmail,$task)  {  $sqlUniAdmin = "UPDATE lf\_gbl\_user SET email = '$uniEmail',contact\_no = '$uniContact',lf\_uid\_modified = 'SYSTEM',lf\_date\_modified = now() WHERE comp\_code = 'MY' and user\_id = '$uniAdmin'";  $stmt = $this->conn->prepare($sqlUniAdmin);  $stmt->execute();  } |
| **Expected Outcome** | Search : the record user want to modify.  Pop up message: ‘Record Has Been Successful…’  University Database : record each of the attributes is successful updated.  User Database : update the information base on the university record.  Redirect to user main page. |
| **Actual Outcome Before Edit** |  |
| **Actual Outcome After Edit** |  |