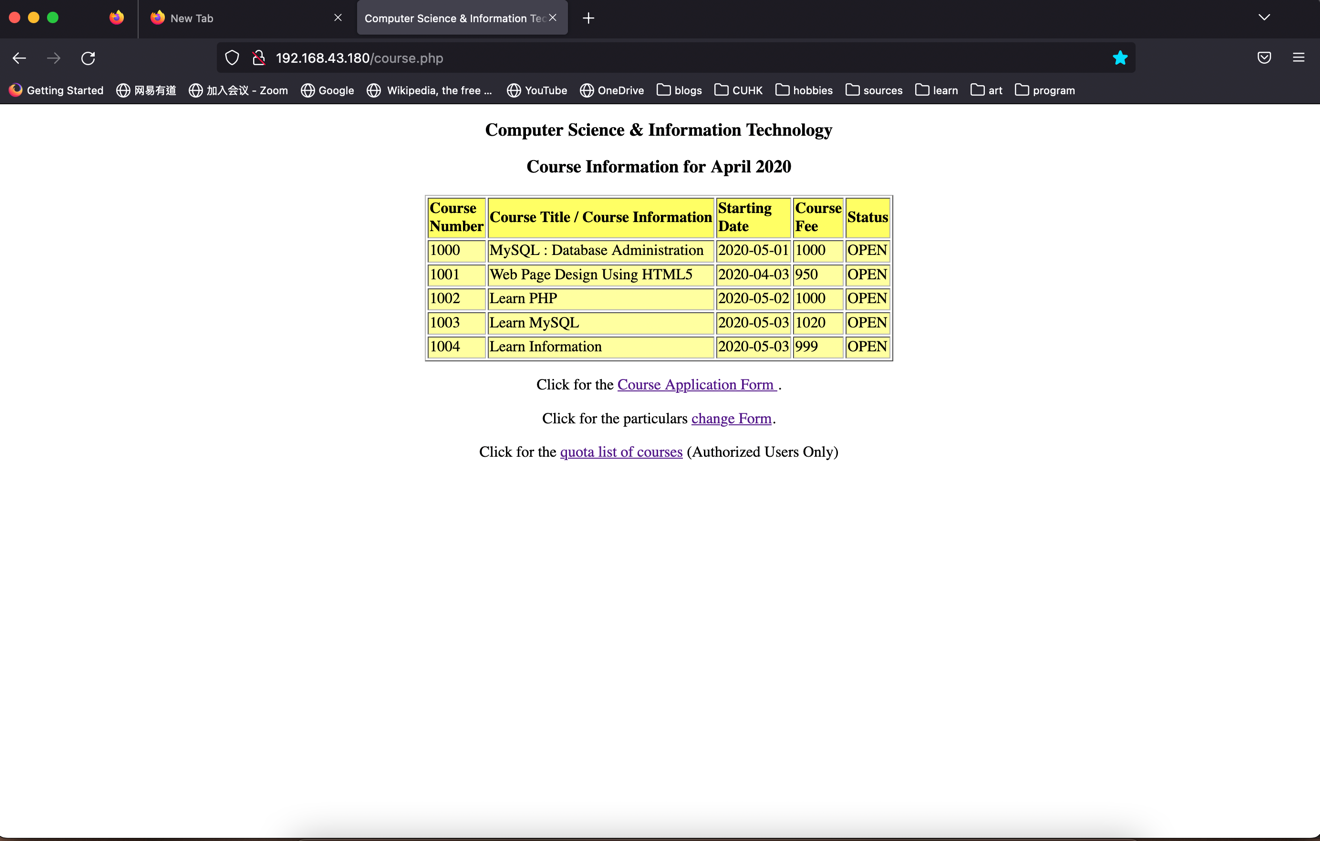
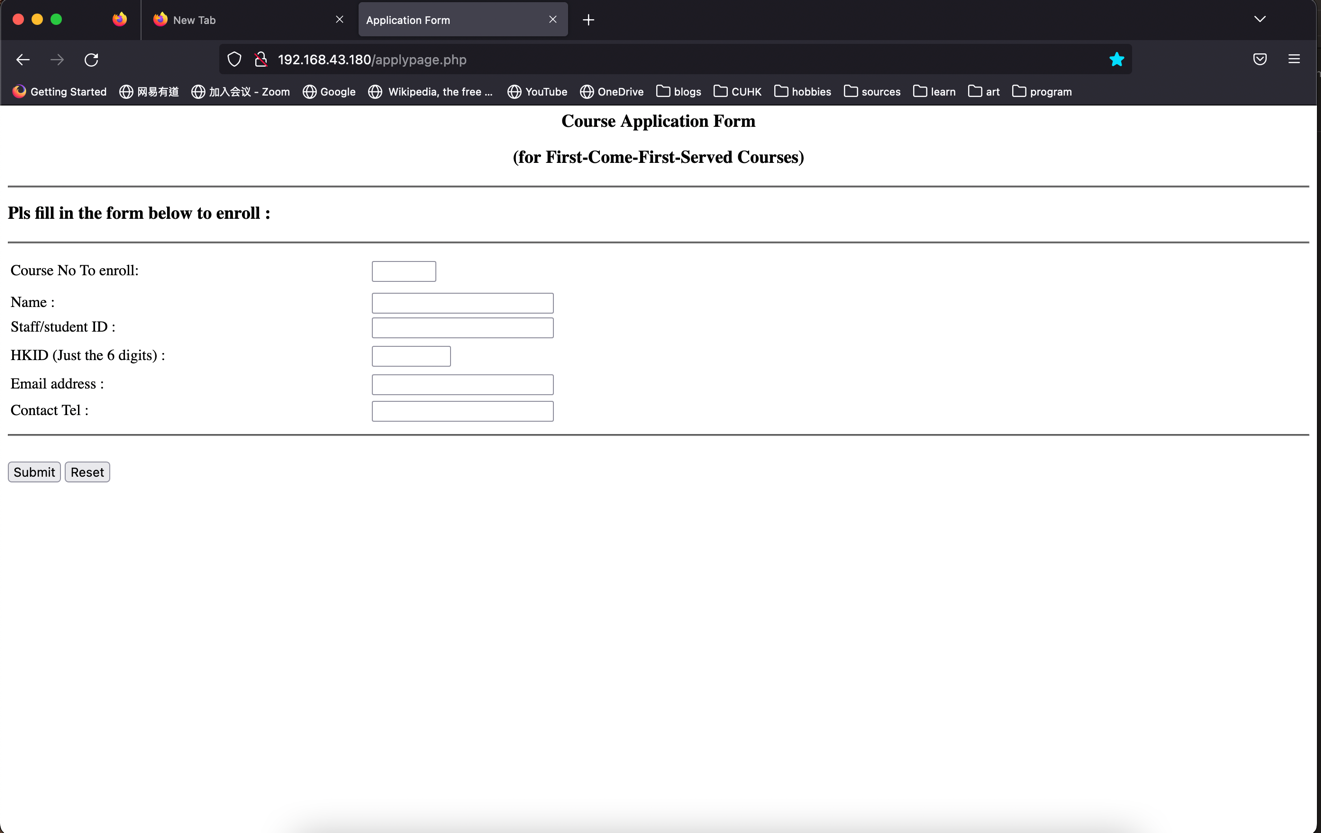
IERG1000 LAB REPORT 2

NAME : YU MU QUAN, SID : 1155191596, Email：ym022@ie.cuhk.edu.hk

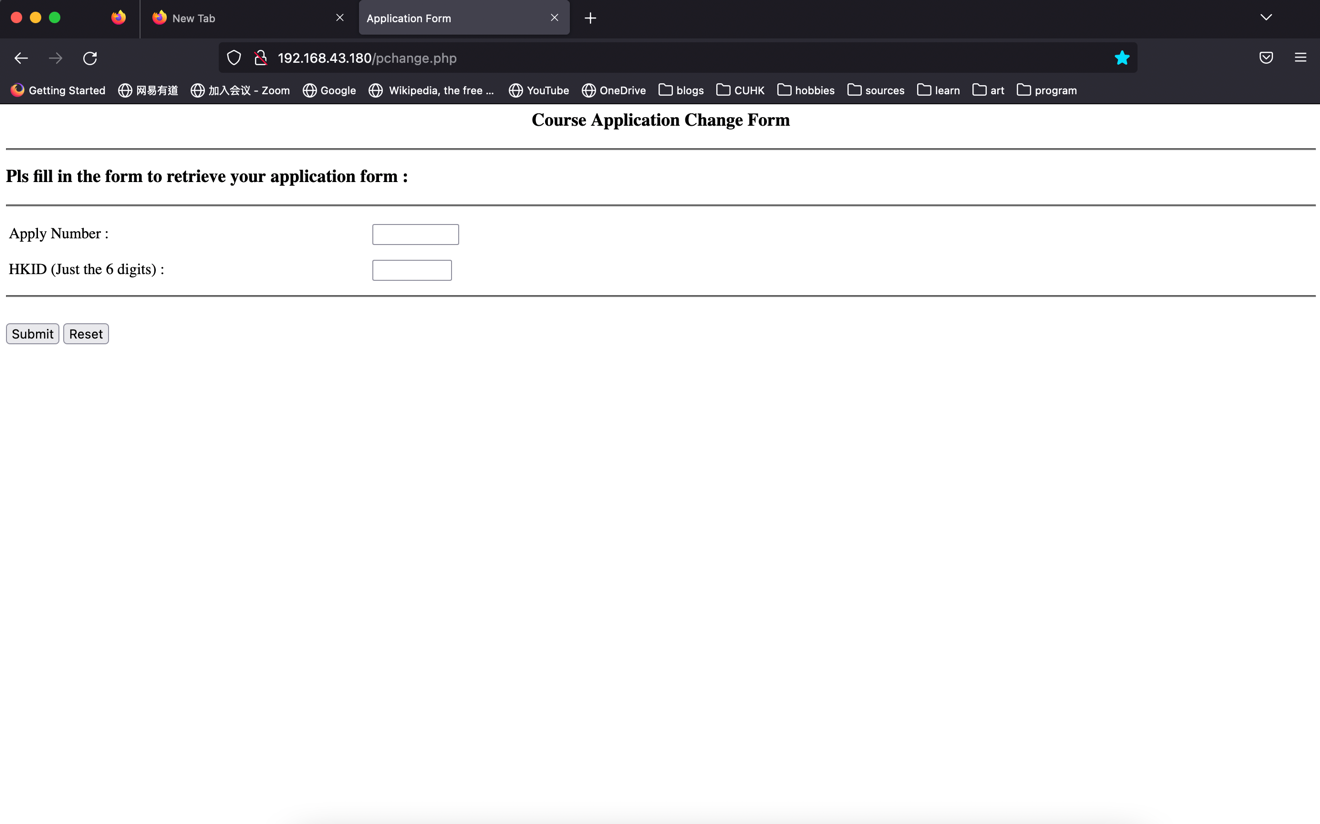
### Task 3.1



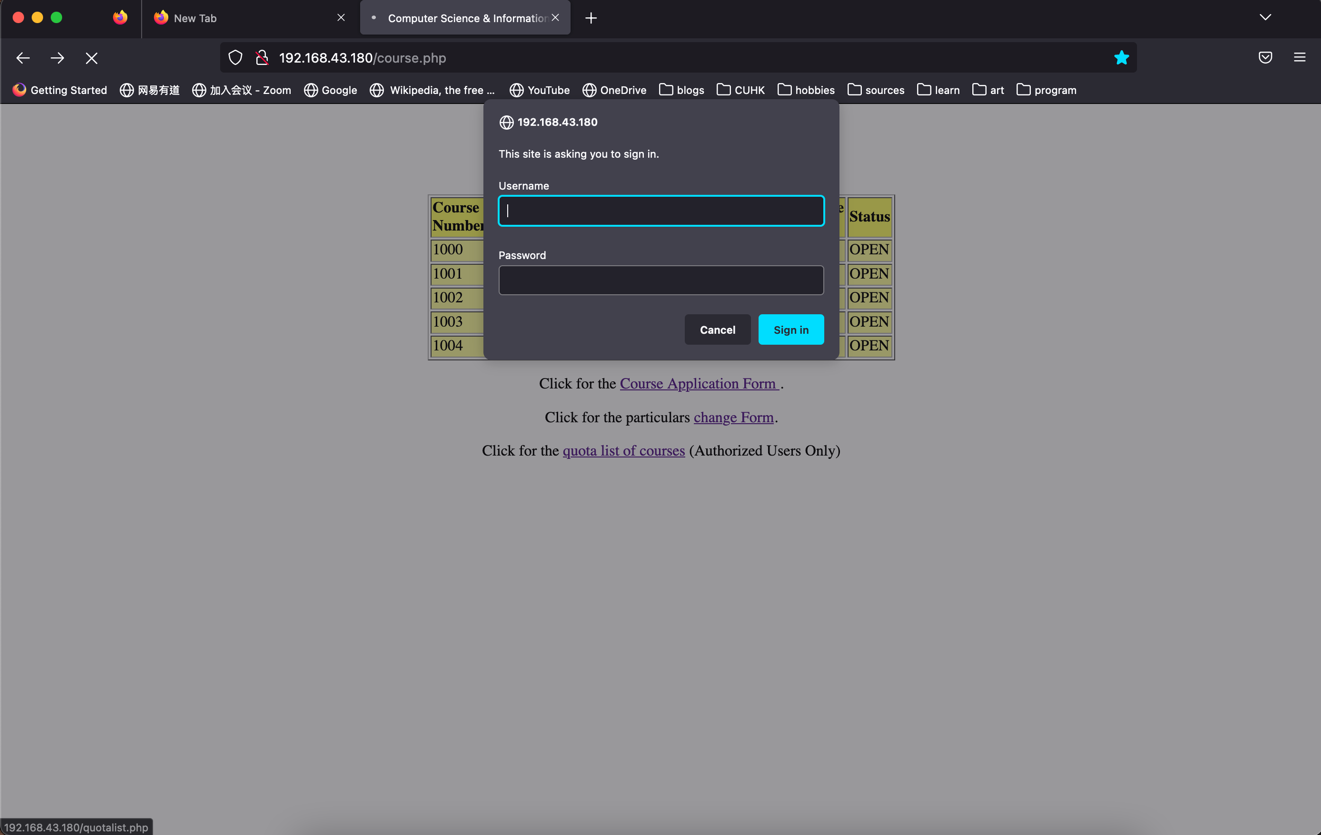
### Task 3.2



### Task 3.3



### Task 3.4



|  |
| --- |
| Put apply.php source code below :  Apply.php:  <?php  /\* connect to database \*/  **define**('DBSERVER',"172.16.180.2");  **define**('DBUSER',"coursedb");  **define**('DBPASS',"mypass");  **define**('DATABASE',"coursedb");  if (!$**connection** = **mysqli\_connect**(DBSERVER, DBUSER, DBPASS))  die("Cannot connect");  @**mysqli\_select\_db**($**connection**,DATABASE) or die( "Unable to select database");  /\* validate the input \*/  if (!**ctype\_digit**($**\_POST**["hkid"])) {  echo "invalid hkid:should contain not only numbers";  } else { //check if has the same hkid  $**cdoub\_sql** = "SELECT courseno, hkid FROM applytbl";  $**cdoub\_result** = **mysqli\_query**($**connection**, $**cdoub\_sql**);  while($**cdoub\_row** = **mysqli\_fetch\_assoc**($**cdoub\_result**)) {  if($**cdoub\_row**["courseno"] == $**\_POST**["courseno"] && $**cdoub\_row**["hkid"] == $**\_POST**["hkid"]){  die("already applied");  }  }  /\* find applyno \*/  $**to\_find** = $**\_POST**["courseno"];  $**get\_sql** = "SELECT courseno, quotaused FROM coursetbl";  $**quota\_result** = **mysqli\_query**($**connection**, $**get\_sql**);  while($**row** = **mysqli\_fetch\_assoc**($**quota\_result**)) {  //echo "courseno is " . $row["courseno"] . "<br>";  if( $**row**["courseno"] == $**to\_find**){  //echo "to find is " . $to\_find ." <br>";  //echo "course no is " . $row["courseno"] ." <br>";  /\* add to database and return applyno \*/  //echo "quta used is: " . $row["quotaused"] . "<br>";  $**courseno** = $**\_POST**["courseno"];  $**applyno** = $**\_POST**["courseno"] \* 1000 + $**row**["quotaused"] + 1;  $**name** = $**\_POST**["name"];  $**stid** = $**\_POST**["stid"];  $**hkid** = $**\_POST**["hkid"];  $**email** = $**\_POST**["email"];  $**tel** = $**\_POST**["tel"];  $**sql** = "INSERT INTO applytbl (applyno, name, studentid, hkid, email, tel, courseno) VALUES ($**applyno**, '$**name**', '$**stid**', $**hkid**, '$**email**', '$**tel**', $**courseno**)";  if (**mysqli\_query**($**connection**, $**sql**)) {  echo "New record created successfully! <br> ";  echo "your apply number is " . $**applyno** . "<br>";  } else {  echo "Error: " . $**sql** . "<br>" . **mysqli\_error**($**connection**);  }  /\* qutoa user plus 1 \*/  $**tmp** = $**row**["quotaused"]+1;  //echo "tmp is " . $tmp . "<br>";  $**update\_sql** = "UPDATE coursetbl SET quotaused=$**tmp** WHERE courseno=$**to\_find**";  if (**mysqli\_query**($**connection**, $**update\_sql**)) {  echo "Record updated successfully";  } else {  echo "Error updating record: " . **mysqli\_error**($**connection**);  }  } //end if  } //end while  /\* close db \*/  } //end else in hkid check  $**connection**->close();  ?>  Applypage.php:  **<**html**><**head**>**  **<**title**>**Application Form**</**title**>**  **<**metahttp-equiv**=**"Content-Type"content**=**"text/html; charset=iso-8859-1"**>**  **</**head**>**  **<**bodybgcolor**=**"#FFFFFF"**>**  **<**h3align**=**"center"**>**Course Application Form**</**h3**>**  **<**divalign**=**"center"**>**  **<**h3**>**(for First-Come-First-Served Courses) **</**h3**>**  **</**div**>**  **<**hr**>**  **<**h3**>**Pls fill in the form below to enroll :**</**h3**>**  **<**hr**>**  **<**formmethod**=**"post"action**=**"apply.php"**>**  **<**tablewidth**=**"75%"border**=**"0"**>**  **<**tbody**><**tr**>**  **<**tdwidth**=**"37%"height**=**"39"**>**Course No To enroll:**</**td**>**  **<**tdwidth**=**"63%"height**=**"39"**>**  **<**inputtype**=**"text"name**=**"courseno"size**=**"4"maxlength**=**"4"**>**  **</**td**>**  **</**tr**>**  **<**tr**>**  **<**tdwidth**=**"37%"**>**Name :**</**td**>**  **<**tdwidth**=**"63%"**>**  **<**inputtype**=**"text"name**=**"name"**>**  **</**td**>**  **</**tr**>**  **<**tr**>**  **<**tdwidth**=**"37%"**>**Staff/student ID :**</**td**>**  **<**tdwidth**=**"63%"**>**  **<**inputtype**=**"text"name**=**"stid"**>**  **</**td**>**  **</**tr**>**  **<**tr**>**  **<**tdwidth**=**"37%"height**=**"32"**>**  **<**p**>**HKID (Just the 6 digits) :**</**p**>**  **</**td**>**  **<**tdwidth**=**"63%"height**=**"32"**>**  **<**inputtype**=**"text"name**=**"hkid"size**=**"6"maxlength**=**"6"**>**  **</**td**>**  **</**tr**>**  **<**tr**>**  **<**tdwidth**=**"37%"**>**Email address : **</**td**>**  **<**tdwidth**=**"63%"**>**  **<**inputtype**=**"text"name**=**"email"**>**  **</**td**>**  **</**tr**>**  **<**tr**>**  **<**tdwidth**=**"37%"height**=**"28"**>**Contact Tel : **</**td**>**  **<**tdwidth**=**"63%"height**=**"28"**>**  **<**inputtype**=**"text"name**=**"tel"**>**  **</**td**>**  **</**tr**>**  **</**tbody**></**table**>**  **<**hr**>**  **<**br**>**  **<**inputtype**=**"submit"name**=**"Submit"value**=**"Submit"**>**  **<**inputtype**=**"reset"name**=**"reset"value**=**"Reset"**>**  **</**form**>**  **<**p**>**&nbsp;**</**p**>**  **</**body**></**html**>**  ~ |
| Put change.php source code below:  change.php: (page for authentification):  **<**html**>**  <?php  /\* connect to database \*/  **define**('DBSERVER',"172.16.180.2");  **define**('DBUSER',"coursedb");  **define**('DBPASS',"mypass");  **define**('DATABASE',"coursedb");  if (!$**connection** = **mysqli\_connect**(DBSERVER, DBUSER, DBPASS))  die("Cannot connect");  @**mysqli\_select\_db**($**connection**,DATABASE) or die( "Unable to select database");  /\* validate if yes go to change2.php not not \*/  $**ip\_applyno** = $**\_POST**["applyno"];  $**ip\_hkid** = $**\_POST**["hkid"];  if(!$**cmp\_sql** = "SELECT applyno, hkid FROM applytbl"){  echo "error in sql <br>";  }  if(!$**cmp\_result** = **mysqli\_query**($**connection**, $**cmp\_sql**)){  echo "error in result <br>";  }  /\* go to the right row \*/  $**flag** = 0;  while($**cmp\_row** = **mysqli\_fetch\_assoc**($**cmp\_result**)) {  if( $**cmp\_row**["applyno"] == $**ip\_applyno**){  $**flag** = 1;  break;  }  }  if($**flag** == 1 && $**ip\_applyno** == $**cmp\_row**["applyno"] && $**ip\_hkid** == $**cmp\_row**["hkid"]){  echo '<form method="post" action="change2.php">';  echo '<table width="75%" border="0">';  echo '<tbody><tr>';  echo '<td width="37%" height="39">input apply number:</td>';  echo '<td width="63%" height="39">';  echo ' <input type="text" name="applyno" size="7" maxlength="7">';  echo '</td>';  echo '</tr>';  echo '<tbody><tr>';  echo '<td width="37%" height="39">Reset telephone number (input nothing to not reset):</td>';  echo '<td width="63%" height="39">';  echo ' <input type="text" name="new\_tel">';  echo '</td>';  echo '</tr>';  echo '<tr>';  echo '<td width="37%" height="32">';  echo '<p>Reset email(input nothing to not reset) :</p>';  echo '</td>';  echo '<td width="63%" height="32">';  echo '<input type="text" name="new\_email">';  echo '</td>';  echo '</tr>';  echo '</tbody></table>';  echo '<hr>';  echo '<br>';  echo '<input type="submit" name="Submit" value="Submit">';  echo '<input type="reset" name="reset" value="Reset">';  echo '</form>';  } else{  die("wrong hkid or apply number");  //echo "flag is {$flag}";  }  /\*  echo "input applyno is: " . $ip\_applyno . "<br>";  echo "correct applyno is: " . $cmp\_row["applyno"] . "<br>";  echo "input hkid is " . $ip\_hkid . "<br>";  echo "correct hkid is " . $cmp\_row["hkid"] . "<br>";  \*/  /\* close db \*/  $**connection**->close();  ?>  Change2.php ( page for changing information):  <?php  /\* connect to database \*/  **define**('DBSERVER',"172.16.180.2");  **define**('DBUSER',"coursedb");  **define**('DBPASS',"mypass");  **define**('DATABASE',"coursedb");  if (!$**connection** = **mysqli\_connect**(DBSERVER, DBUSER, DBPASS))  die("Cannot connect");  @**mysqli\_select\_db**($**connection**,DATABASE) or die( "Unable to select database");  /\* get applyno \*/  $**applyno** = $**\_POST**["applyno"];  /\* change email \*/  if ($**\_POST**["new\_email"] != null){  $**new\_email** = $**\_POST**["new\_email"];  $**email\_sql** = "UPDATE applytbl SET email='$**new\_email**' WHERE applyno=$**applyno**";  if (**mysqli\_query**($**connection**, $**email\_sql**)) {  echo "email updated successfully";  } else {  echo "email Error updating record: " . **mysqli\_error**($**connection**);  }  }  /\* change tel \*/  if ($**\_POST**["new\_tel"] != null){  $**new\_tel** = $**\_POST**["new\_tel"];  $**tel\_sql** = "UPDATE applytbl SET tel='$**new\_tel**' WHERE applyno=$**applyno**";  if (**mysqli\_query**($**connection**, $**tel\_sql**)) {  echo "phone number updated successfully";  } else {  echo "phone number Error updating record: " . **mysqli\_error**($**connection**);  }  }  ?>  ~ |