

# CS17B

# Survey Engin Project

YATING GE  
2017 FALL

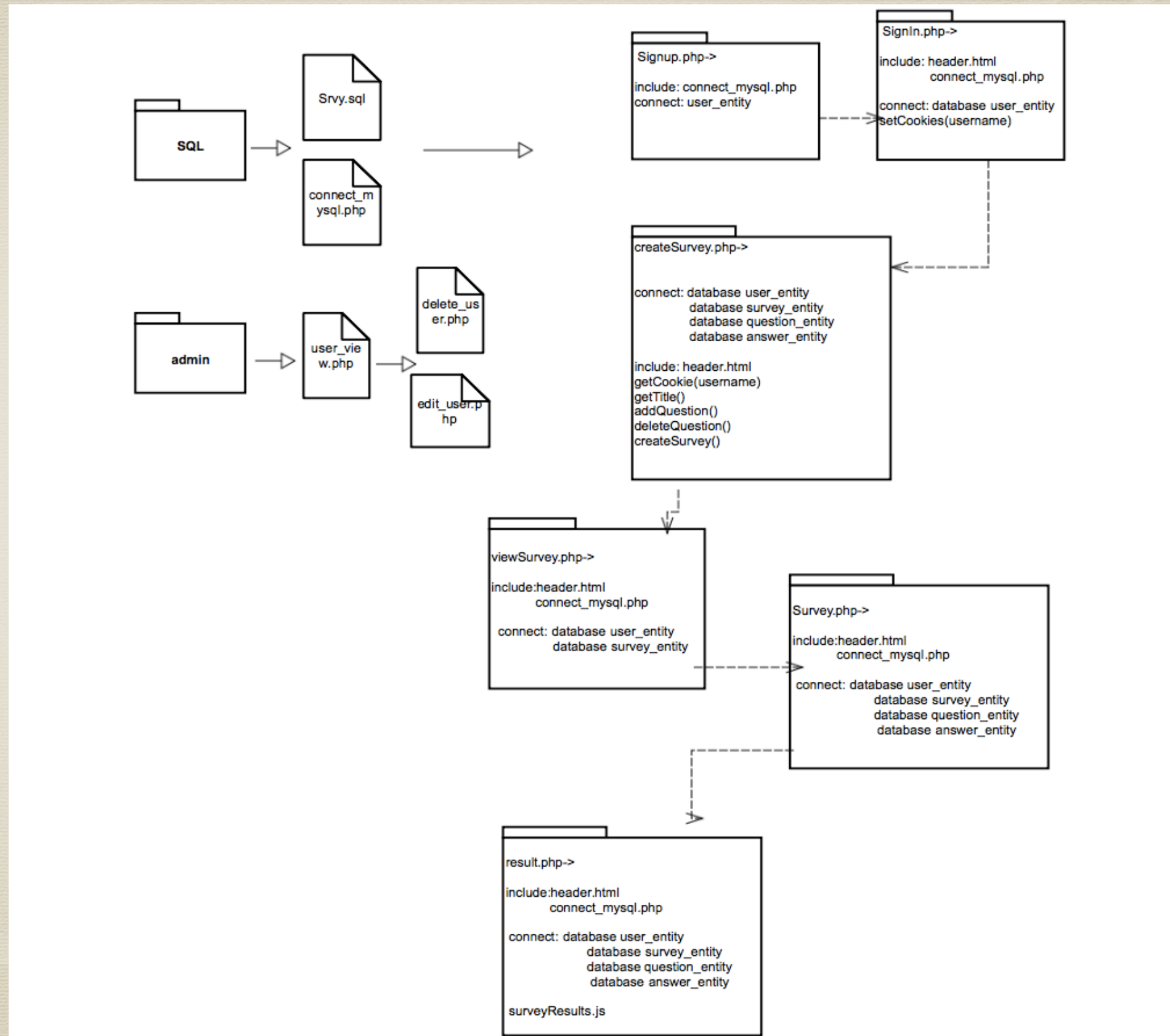


# Git-hub links:

- \* [https://github.com/yatingge/Yatingge\\_CIS\\_17b\\_Fall2017/tree/master/SrvyProj8](https://github.com/yatingge/Yatingge_CIS_17b_Fall2017/tree/master/SrvyProj8)



# Diagram-UML



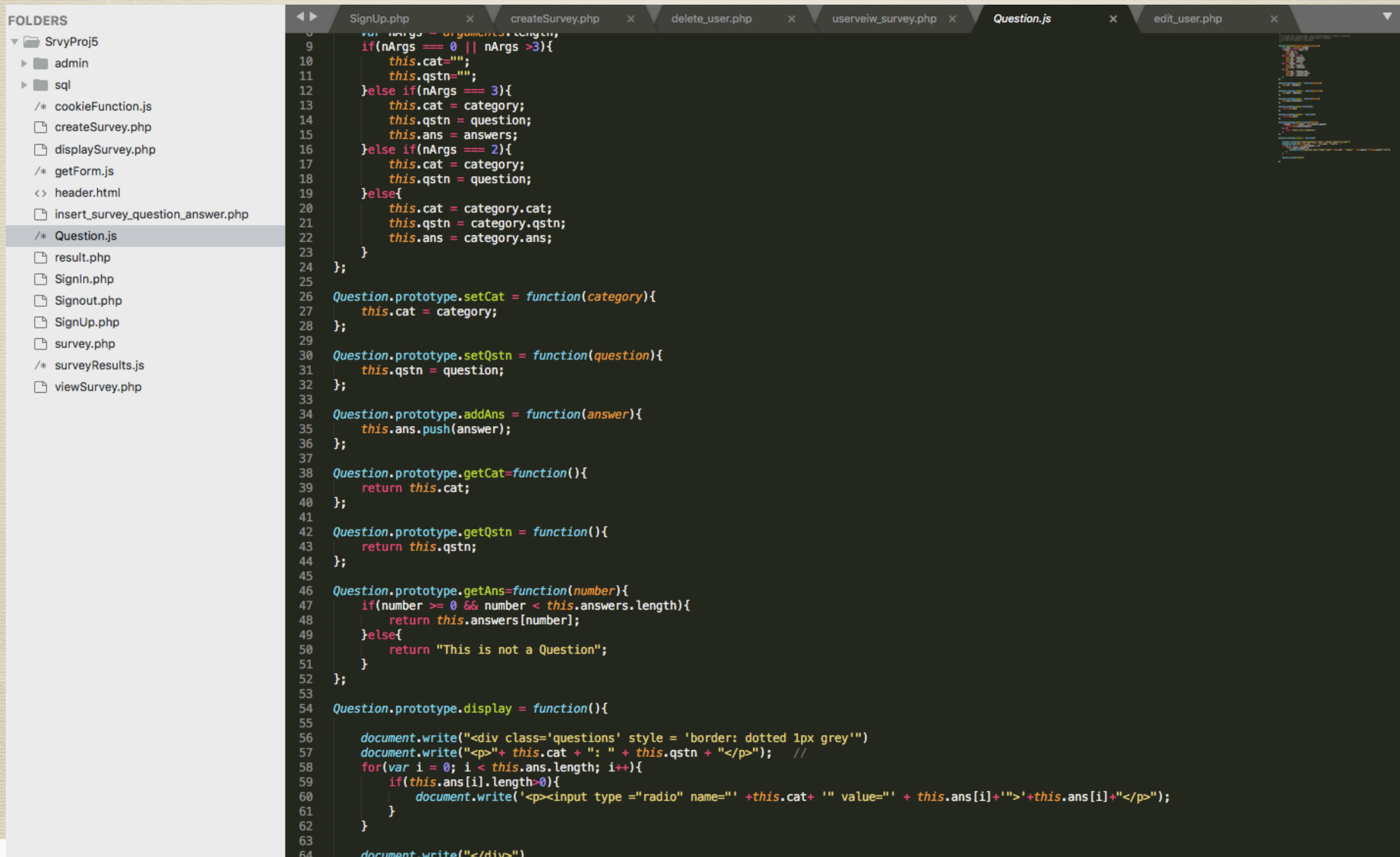


# File list

- \* **admin/** delete\_user.php & edit\_user.php &userview\_survey.php
- \* **sql/** connect\_mysql.php & Srvy.sql
- \* **javascript:** cookieFunction.js & getForm.js & Question.js  
&surveyResults.js
- \* **php:** SignUp.php & SignIn.php & SignOut.php  
&createSurvey.php & displaySurvey.php & viewSurvey.php &  
survey.php & result.php &insert\_survey\_question\_answer.php
- \* **html:** header.html



# 1)MVC - How you delineated your objects



```
8  var nArgs = arguments.length;
9  if(nArgs == 0 || nArgs >3){
10     this.cat="";
11     this.qstn="";
12 }else if(nArgs == 3){
13     this.cat = category;
14     this.qstn = question;
15     this.ans = answers;
16 }else if(nArgs == 2){
17     this.cat = category;
18     this.qstn = question;
19 }else{
20     this.cat = category.cat;
21     this.qstn = category.qstn;
22     this.ans = category.ans;
23 }
24 };
25
26 Question.prototype.setCat = function(category){
27     this.cat = category;
28 };
29
30 Question.prototype.setQstn = function(question){
31     this.qstn = question;
32 };
33
34 Question.prototype.addAns = function(answer){
35     this.ans.push(answer);
36 };
37
38 Question.prototype.getCat=function(){
39     return this.cat;
40 };
41
42 Question.prototype.getQstn = function(){
43     return this.qstn;
44 };
45
46 Question.prototype.getAns=function(number){
47     if(number >= 0 && number < this.answers.length){
48         return this.answers[number];
49     }else{
50         return "This is not a Question";
51     }
52 };
53
54 Question.prototype.display = function(){
55
56     document.write("<div class='questions' style = 'border: dotted 1px grey'")
57     document.write("<p>"+ this.cat + ": " + this.qstn + "</p>"); //
58     for(var i = 0; i < this.ans.length; i++){
59         if(this.ans[i].length>0){
60             document.write("<p><input type =\"radio\" name=\""+this.cat+ \" value=\""+ this.ans[i]+\">"+this.ans[i]+</p>");
61         }
62     }
63
64     document.write("</div>")
65 }
```



## 2) Objects - Javascript/PHP - Serialization

### Passing info with Javascript Objects to PHP Objects with Cookies

```
SrvyProj5
├── admin
├── sql
└── cookieFunction.js
  ├── createSurvey.php
  ├── displaySurvey.php
  ├── getForm.js
  ├── header.html
  ├── insert_survey_question_answer.php
  ├── Question.js
  ├── result.php
  ├── SignIn.php
  ├── Signout.php
  ├── SignUp.php
  ├── survey.php
  ├── surveyResults.js
  └── viewSurvey.php

1
2
3
4
5 function setCookie(cname, cvalue, exdays) {
6   var d = new Date();
7   d.setTime(d.getTime() + (exdays * 24 * 60 * 60 * 1000));
8   var expires = "expires=" + d.toUTCString();
9   document.cookie = cname + "=" + cvalue + ";" + expires + ";path=/";
10 }
11
12 function getCookie(cname) {
13   var name = cname + "=";
14   var ca = document.cookie.split(';');
15   for(var i = 0; i < ca.length; i++) {
16     var c = ca[i];
17     while (c.charAt(0) == ' ') {
18       c = c.substring(1);
19     }
20     if (c.indexOf(name) == 0) {
21       return c.substring(name.length, c.length);
22     }
23   }
24   return "";
25 }
26
27 function checkCookie(cname) {
28   var value = getCookie(cname);
29   if (value != "") {
30     alert("Cookie Name = " + cname + "Value = " + value);
31   } else {
32     value = prompt("Please enter your cookie :"+cname+" Value", "");
33     if (value != "" && value != null) {
34       setCookie(cname, value, 365);
35     }
36   }
37 }
```

pass through cookies

```
3 <head>
4   <title>Direct to Your Survey!</title>
5   <script type="text/javascript" src="cookieFunction.js"></script>
6
7
8 <?php
9
10 include "sql/connect_mysql.php";
11 include "header.html";
12 echo "<br><br><br>";
13 if(isset($_COOKIE['username'])){
14   $username = $_COOKIE['username'];
15   echo '<p>Survey Creator: '.$username.'<br>';
16 }
17
18 $sql = "SELECT id_user FROM user_entity WHERE username = '" . $username . "'";
19 $result = $conn->query($sql);
20 $row = $result->fetch_assoc();
21
22 $id_user = $row['id_user'];
23
24
25
26 $sql = "SELECT title,id_survey
27 FROM survey_entity
28 WHERE id_user = '".$id_user."'";
29
30 $result = $conn->query($sql);
31
32 if ($result->num_rows > 0) {
33   echo "Survey Created: <br>";
34   while($row = $result->fetch_assoc() ){
35     echo "<a href='survey.php?'. $row['title']. ">".$row['title']. "</p>";
36   }
37 }
```



# 3) Reading/Writing Files/Local Storage JSON - Javascript

reading files

```
<head>
  <meta charset="UTF-8">
  <title>Delete User Account!</title>
</head>
<body>
  <?php
    // put your code here

    include '../sql/connect_mysql.php';

    $url = $_SERVER['REQUEST_URI'];

    $username = parse_url($url, PHP_URL_QUERY);
```

## Local Storage/JSon

```
117 // var title = document.getElementById('title').value;
118 var newQuestion = new Question($_GET["Number"], $_GET["Question"], answers);
119 len = $_GET["Number"];
120 localStorage.setItem(len, JSON.stringify(newQuestion));
121 localStorage.setItem("len", len);
122 for (var i = 1; i <= len; i++) {
123   var temp = localStorage.getItem(i);
124   var question = new Question(JSON.parse(temp));
125   question.display();
126   document.write('<button id="btn'+i+' " | ' + 'onclick="deleteFunction(\'' + i + '\')">Delete</button>');
127 }
128
129 if(len>0) {
130   document.getElementById("titlename").innerHTML = "Survey Name: " + localStorage.getItem("title");
131 }
132
133
134
135 function deleteFunction(num){
136   localStorage.removeItem(num);
137   document.getElementById("btn"+num).innerHTML = "Already deleted!";
138   document.getElementById("btn"+num).style.color = "red";
139 }
140
141
142
143 // store information in the cookies
144 function createSurvey(){
145
146   if(getCookie("username")){
147     var newlen = 0;
148     for (var i = 1; i <= len; i++) {
149       var string_question = localStorage.getItem(i);
150       if(string_question == null) {
151         continue;
152       } else {
153         newlen++;
154         localStorage.setItem(newlen, string_question);
155       }
156     }
157     localStorage.setItem("len", newlen);
158     len = newlen;
159     for (var i = 1; i <= len; i++) {
160       var string_question = localStorage.getItem(i);
161       setCookie("question" + i, string_question, 1);
162     }
163     var string_title = localStorage.getItem("title");
164     setCookie("title", string_title, 1);
165
166     setCookie("len", len, 1);
167
168     window.location.assign("displaySurvey.php");
169   }else{
170     document.getElementById("error").innerHTML = "You have to sign in before creating any survey";
171   }
172 }
```



# 4) Databases SQL - Identify Entities, Xref, and Enum Tables

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a database named 'yge\_48947' with several tables. The 'result\_entity' table is selected. The main area shows a query window with the following SQL statement:

```
SELECT * FROM yge_48947.result_entity;
```

The query results are displayed in a grid format, showing 56 rows of data. The columns are 'id\_choice', 'id\_question', 'answer', and 'id\_survey'. The data includes various entries such as 'spring', 'winter', 'strawberry', 'watermelon', and 'red dates'.

Below the query results, the 'Table: result\_entity' structure is shown:

Columns:	
id_choice	int(11) AI PK
id_question	int(11)
answer	text
id_survey	int(11)

The 'Action Output' pane at the bottom shows the execution history of the query, including the time taken and the number of rows returned.

	Time	Action	Response	Duration / Fetch Time
1	21:16:24	SELECT * FROM yge_48947.answer_entity LIMIT 0, 1000	125 row(s) returned	0.0042 sec / 0.00007...
2	21:16:36	SELECT * FROM yge_48947.question_entity LIMIT 0, 1000	37 row(s) returned	0.0034 sec / 0.00001...
3	21:17:38	SELECT * FROM yge_48947.result_entity LIMIT 0, 1000	56 row(s) returned	0.0032 sec / 0.0000...



# 5) Form Validation - Regular Expressions

```
79 }
80 }
81 ?>
82
83 <form class="form" action="SignUp.php" method="post" enctype="multipart/form-data" autocomplete="off">
84   <b>User Name:</b>
85   <p><input type="text" placeholder="User Name" name="username" required
86     pattern="[a-zA-Z0-9]{2,15}" />
87   <span>Note:only enter characters and numbers</span>
88   <span style="color:red"><?php echo $usernameErr; ?></span></p>
89
90   <b>Email: </b>
91   <p><input type="email" placeholder="Email" name="email" required
92     pattern="(\w+@[a-zA-Z_]+?\.[a-zA-Z]{2,6})"
93     title="valid email address" />
94   <span style="color:red"><?php echo $emailErr; ?></span></p>
95
96   <b>Password: </b>
97   <p><input type="password" placeholder="Password" name="password1" required
98     pattern="((?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,15})"
99     title="8 to 15 characters,with at least one uppercase letter, one lowercase letter, and one digit" />
100   <span>Note: 8 to 15 characters,with at least one uppercase letter, one lowercase letter, and one digit</span>
101   </p>
102   <b>Confirm Password:</b>
103   <p><input type="password" placeholder="Comfirm Password" name="password2" required />
104   <span style="color:red"><?php echo $passwordErr; ?></span></p>
105
106   <input type="submit" value="Register" name="register" />
107
108
109 </form>
110
111 </body>
112 </html>
```

patter: regular expressions



# 6) User-Admin-Login

## FOLDERS

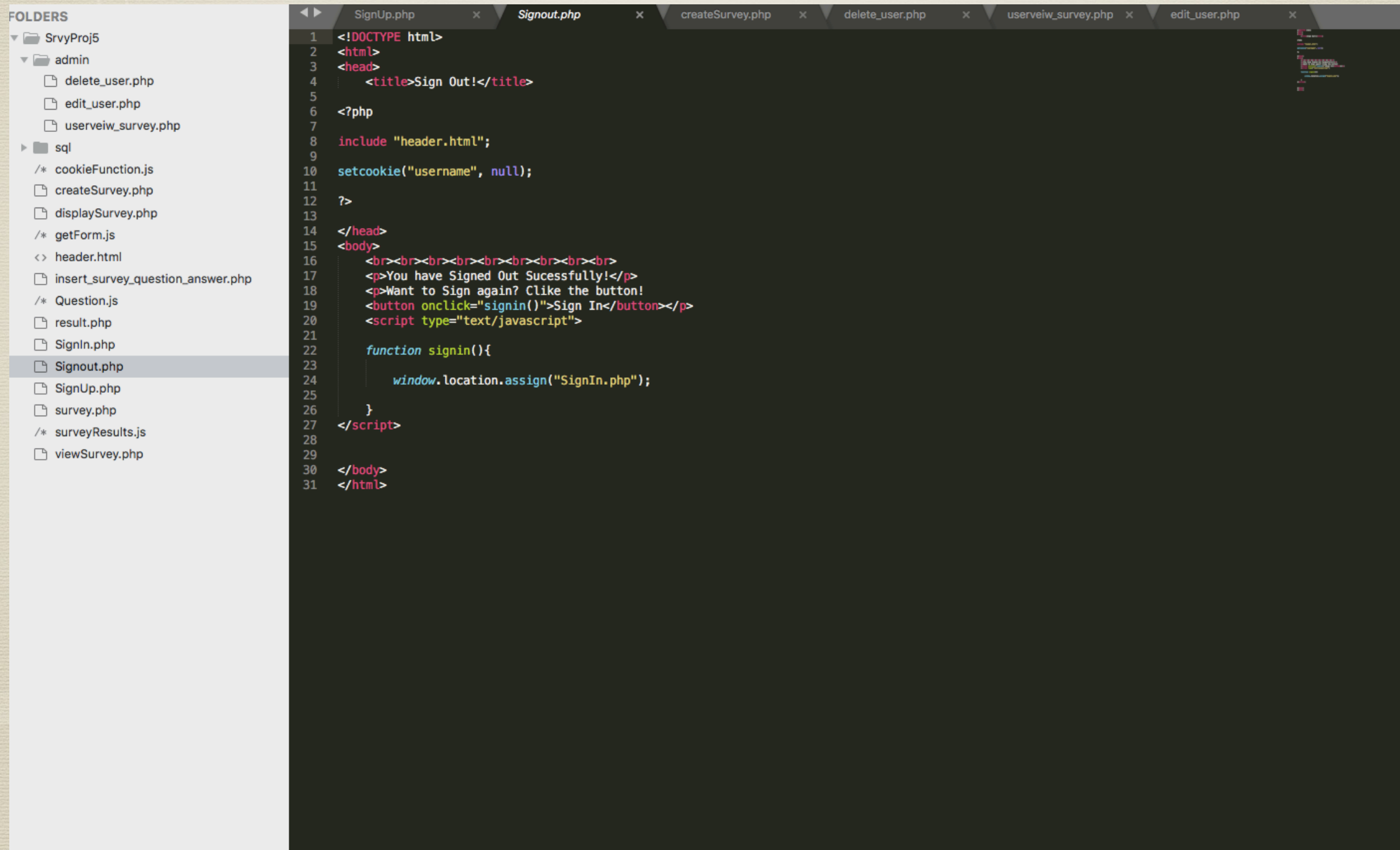
- ▼ SrvyProj5
  - ▼ admin
    - delete\_user.php
    - edit\_user.php
    - userveiw\_survey.php
  - ▼ sql
    - /\* cookieFunction.js
    - createSurvey.php
    - displaySurvey.php
    - /\* getForm.js
    - <> header.html
    - insert\_survey\_question\_answer.php
    - /\* Question.js
    - result.php
    - SignIn.php
    - Signout.php
    - SignUp.php
    - survey.php
    - /\* surveyResults.js
    - viewSurvey.php

Admin/  
SignIn/  
SignUp/  
SignOut

```
14      <?php
15      include 'sql/connect_mysql.php';
16      include 'header.html';
17
18      //check whether username and password have been registered!
19      $email_Err = "";
20      $pswd_Err = " ";
21      if (isset($_POST['userInput']) && isset($_POST['passwordInput'])) {
22          $username = mysqli_real_escape_string($conn, $_POST['userInput']);
23          $sql = "SELECT id_user, username, email, password FROM user_entity WHERE username = '" . $username . "'";
24          $result = $conn->query($sql);
25          $row = $result->fetch_assoc();
26          $pswd = mysqli_real_escape_string($conn, $_POST['passwordInput']);
27
28          if ($username != $row['username']) {
29              $email_Err = "<p>your username is incorrect. please check them and try again!<br></p>";
30          } elseif ($pswd != $row['password']) {
31              $pswd_Err = "<p>your password is incorrect. please check them and try again!</p><br>";
32          } else {
33              echo "<script>localStorage.removeItem('title');</script>";
34              echo "<script> window.location.assign('createSurvey.php?userInput=" . $username . "' . "'); </script>";
35          }
36      }
37      setcookie("username", $username,time()+3600);
38
39      ?>
40
41
42
43
44
45      <body>
46      <div class="center">
47          <h1>Sign into your account!</h1>
48
49          <form action="" method="POST">
50              <h4>Enter your username:<input type="text"
51                  placeholder= "username"
52                  name="userInput"
53                  pattern="[a-zA-Z0-9]{2,15}"
54                  size="15"
55                  title="Username should only contain characters and numbers"
56
57                  required
58                  ><?php echo "<span style = 'color:red'" . $email_Err . "</span>" ?></h4>
59
60
61              <h4>Enter your password:<input type="password"
62                  placeholder="password"
63                  name="passwordInput"
64                  size="15"
65                  pattern="((?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,15})"
66                  title="8 to 15 characters,with at least one uppercase letter, one lowercase letter, and
67                  one digit"
68                  required
69                  ><?php echo "<span style = 'color:red'" . $pswd_Err . "</span>" ?></h4>
```



# 7) Cookies - Sessions - Securing Pages



```
FOLDERS
▼ SrvyProj5
  ▼ admin
    delete_user.php
    edit_user.php
    useveiw_survey.php
  ► sql
    /* cookieFunction.js
    createSurvey.php
    displaySurvey.php
    /* getForm.js
    <> header.html
    insert_survey_question_answer.php
    /* Question.js
    result.php
    SignIn.php
    Signout.php
    SignUp.php
    survey.php
    /* surveyResults.js
    viewSurvey.php

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Sign Out!</title>
5
6 <?php
7   include "header.html";
8
9
10  setcookie("username", null);
11
12  ?>
13
14 </head>
15 <body>
16   <br><br><br><br><br><br><br><br>
17   <p>You have Signed Out Sucessfully!</p>
18   <p>Want to Sign again? Clike the button!
19   <button onclick="signin()">Sign In</button></p>
20   <script type="text/javascript">
21
22     function signin(){
23
24       window.location.assign("SignIn.php");
25
26     }
27 </script>
28
29
30 </body>
31 </html>
```



# Display: Sign up

## Survey Engin

\*\*\*\*\*

\*\*\*\*\*

**User Name:**

final

Note:only enter characters and numbers

**Email:**

final@example.com

**Password:**

\*\*\*\*\*

Note: 8 to 15 characters,with at least one uppercase letter, one lowercase letter, and one digit

**Confirm Password:**

\*\*\*\*\*



Register



# Display:Registered

## Survey Engin

\*\*\*\*\*

\*\*\*\*\*

New record created successfully

Register successfully!You will be redirected to a new page in 5 seconds!

**User Name:**

Note:only enter characters and numbers

**Email:**

**Password:**

Note: 8 to 15 characters,with at least one uppercase letter, one lowercase letter, and one digit

**Confirm Password:**




# Display: Sign In

Survey Engin

## Sign into your account!

Enter your username:

Enter your password:  

Don't have an account? [Sign Up!](#)(Click for sign up)



# Display: Start to create survey after signed into

## Survey Engin

**Welcome final!**

[View your created Survey!](#)

**Create Your Own Survey!**

Please enter your survey title:

Question Number:  Note:only enter digit numbers.

Question:

Answer1:

Answer2:

Answer3:

Answer4:

Answer5:



# Display: add title and question and answer

## Survey Engin

Welcome final!

[View your created Survey!](#)

[Sign Out](#) [Sign In](#)

Create Your Own Survey!

Please enter your survey title:

[Submit title](#)

Question Number:  Note:only enter digit numbers.

Question:

Answer1:

Answer2:

Answer3:

Answer4:

Answer5:

[Add New Question](#)

[Create Survey](#)



# Display: click button-add new question

## Survey Engin

[View your created Survey!](#)

### Create Your Own Survey!

Please enter your survey title:

Survey Name: fruit

Question Number:  Note:only enter digit numbers.

Question:

Answer1:

Answer2:

Answer3:

Answer4:

Answer5:

1: what is your favorite fruit?

- ☐ apple
- ☐ orange
- ☐ banana
- ☐ pear
- ☐ others



# Display: add more questions

## Survey Engin

Question Number:  Note:only enter digit numbers.

Question:

Answer1:

Answer2:

Answer3:

Answer4:

Answer5:

Add New Question

Create Survey

1: what is your favorite fruit?

- ☐ apple
- ☐ orange
- ☐ banana
- ☐ pear
- ☐ others

Delete

2: what is your most dislike fruit?

- ☐ watermelon
- ☐ mango
- ☐ strawberry
- ☐ red dates
- ☐ others



# Display: delete questions by click delete button

Survey Engin

Question:

Answer1:

Answer2:

Answer3:

Answer4:

Answer5:

Add New Question

Create Survey

1: what is your favorite fruit?

☐ apple

☐ orange

☐ banana

☐ pear

☐ others

Already deleted!

2: what is your most dislike fruit?

☐ watermelon

☐ mango

☐ strawberry

☐ red dates

☐ others

Delete

3: How many fruit are you going to eat everyday?



# Display: view survey-1

Survey Engin

Survey Creator: final  
Survey Created:  
[fruit](#)



# Display: view survey -2

## Survey Engin

**Survey Creator: final**

**Survey Title: fruit**

Q: what is your most dislike fruit?

- ☐ watermelon
- ☐ mango
- ☐ strawberry
- ☐ red dates
- ☐ others

Q: How many fruit are you going to eat everyday?

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 or more

[Submit Survey](#)

[View Survey Result!](#)

[Sign Out](#)

[Sign In](#)



# Display: take the survey

## Survey Engin

**Survey Creator: final**

**Survey Title: fruit**

Q: what is your most dislike fruit?

- ☐ watermelon
- ☐ mango
- ☐ strawberry
- ☒ red dates
- ☐ others

Q: How many fruit are you going to eat everyday?

- ☐ 1
- ☒ 2
- ☐ 3
- ☐ 4
- ☐ 5 or more

[Submit Survey](#)

[View Survey Result!](#)

[Sign Out](#)

[Sign In](#)



# Display: view survey results

## Survey Engin

**Survey Creator: final**

**Survey Title: fruit**

Survey Results:

Question1:

red dates: 50.00%

strawberry: 25.00%

watermelon: 25.00%

Question2:

2: 50.00%

3: 25.00%

4: 25.00%



# Display: admin-userview

\*\*\*\*\*

\*\*\*\*\*

## View the User Accounts!

Edit	Delete	Username	Email	Password
<a href="#">Edit</a>	<a href="#">Delete</a>	yating	yy@example.com	\$2y\$10\$duCSDlc/ybShRvGAfrRxpeTRxmP3zaVVU6n055
<a href="#">Edit</a>	<a href="#">Delete</a>	ZZ	ZZ@EXAMPLE.COM	\$2y\$10\$GBxVECLMeYizDtnDSL7ezOaCN.y7nFWsQXs76n
<a href="#">Edit</a>	<a href="#">Delete</a>	test9	test9@exampl.com	\$2y\$10\$MCEppXOclJ8rpUMnPyazwe7.hnimPem23e6Foa
<a href="#">Edit</a>	<a href="#">Delete</a>	aa	aa@exampl.com	\$2y\$10\$fnCn63QtfwfIw8GC0RXn.eu8SHZ.hK0xXIx7PZ
<a href="#">Edit</a>	<a href="#">Delete</a>	XJ	XJ@EXAMPLE.COM	\$2y\$10\$ldZITpP9G/0WORXe9bC0q.M1RGyL169fG9jeQFM6mYqpCYQkWv23G



# Display: admin/delete

\*\*\*\*\*

\*\*\*\*\*

Do you want to continue to delete test179?

☐ Yes

☐ No

No record is deleted!

Go back to userview page!Click [\\*\\*\\*here\\*\\*\\*](#)



# Display: admin/edit

\*\*\*\*\*

\*\*\*\*\*

Edit user: XJ

User name:

Email address:

Password:

Go back to userview page!Click [\\*\\*\\*here\\*\\*\\*](#)



\*

Thank you!