

CS17B

Survey Engin Project

YATING GE
2017 WINTER

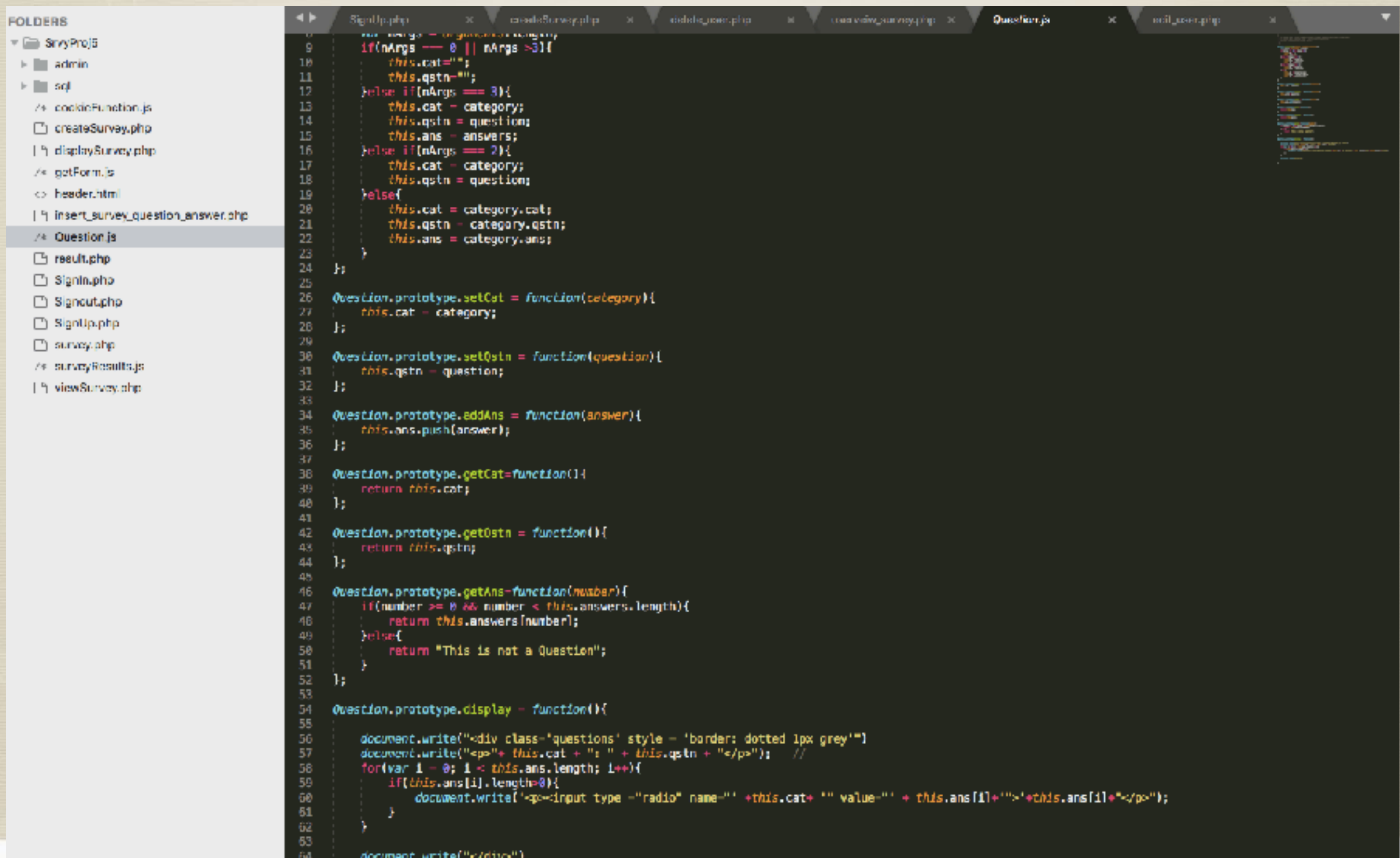
Git-hub links:

- * https://github.com/yatingge/Yatingge_CIS_17b_Fall2017/tree/master/SrvyProj6

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



The screenshot shows a code editor with a file explorer on the left and a JavaScript file named `Question.js` in the main editor. The file explorer lists the following files and folders:

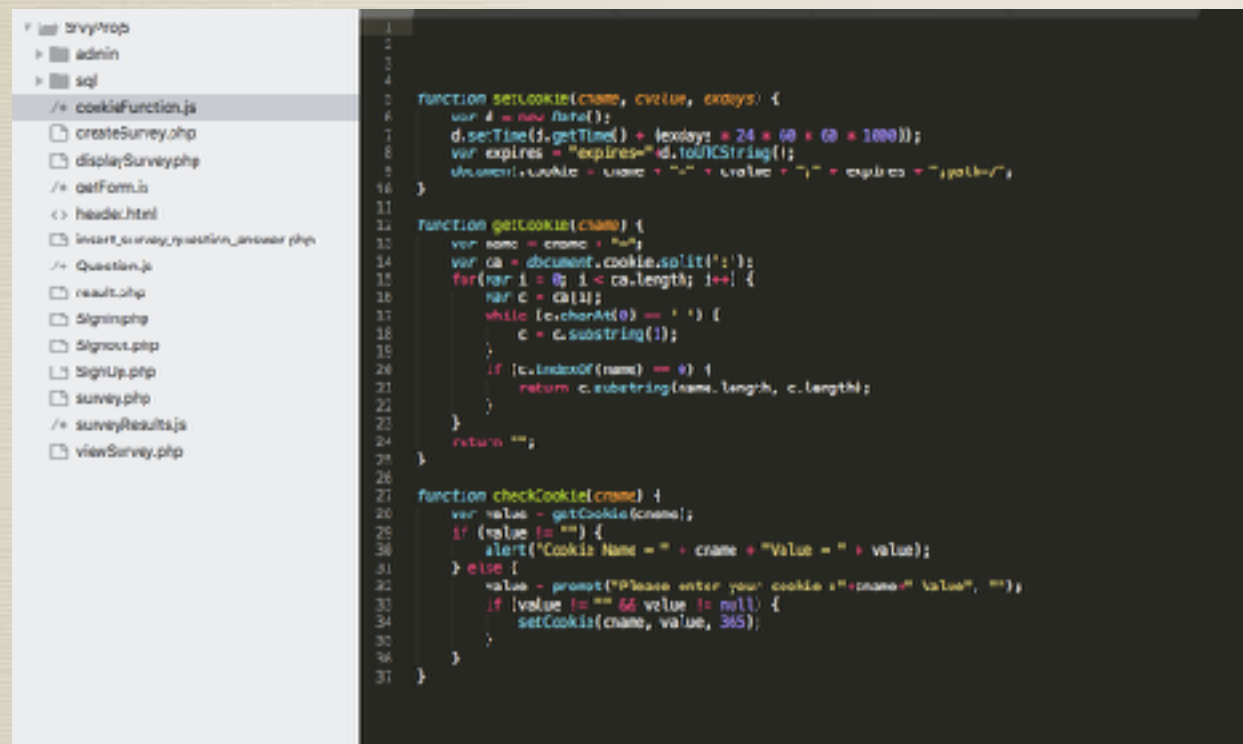
- ▼ SrvyProj5
 - admin
 - sql
 - /* cookieFunction.js
 - createSurvey.php
 - displaySurvey.php
 - /* getForm.js
 - header.html
 - insert_survey_question_answer.php
 - /* Question.js
 - result.php
 - SignIn.php
 - Signout.php
 - SignUp.php
 - survey.php
 - /* surveyResults.js
 - viewSurvey.php

The main editor displays the following JavaScript code:

```
1  // ...
2  // ...
3  // ...
4  // ...
5  // ...
6  // ...
7  // ...
8  // ...
9  // ...
10 // ...
11 // ...
12 // ...
13 // ...
14 // ...
15 // ...
16 // ...
17 // ...
18 // ...
19 // ...
20 // ...
21 // ...
22 // ...
23 // ...
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77 // ...
78 // ...
79 // ...
80 // ...
81 // ...
82 // ...
83 // ...
84 // ...
85 // ...
86 // ...
87 // ...
88 // ...
89 // ...
90 // ...
91 // ...
92 // ...
93 // ...
94 // ...
95 // ...
96 // ...
97 // ...
98 // ...
99 // ...
100 // ...
```

2) Objects - Javascript/PHP - Serialization

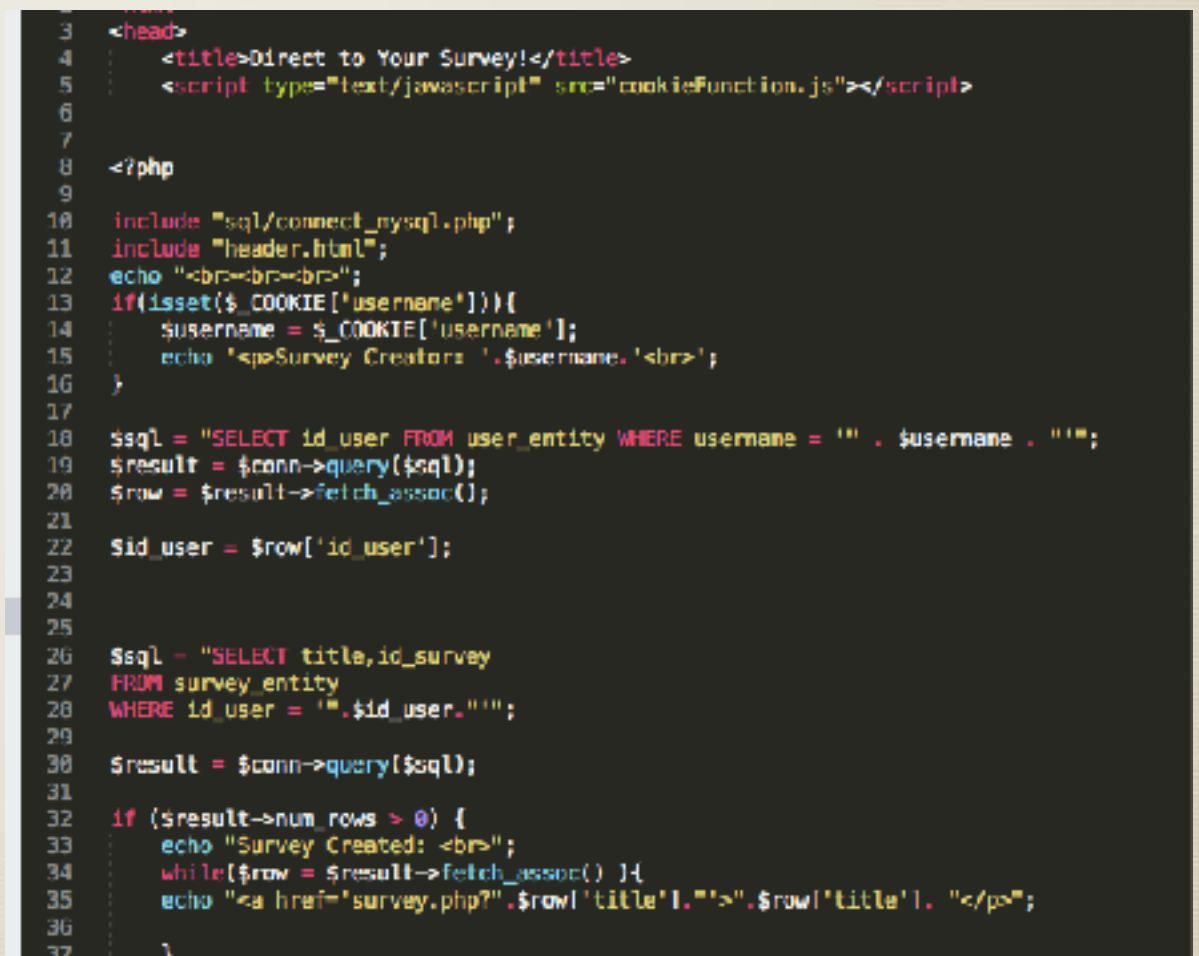
Passing info with Javascript Objects to PHP Objects with Cookies



The image shows a file explorer on the left with a tree view containing folders 'admin' and 'sql', and a file 'cookieFunction.js'. The main area displays the code for 'cookieFunction.js'.

```
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.toISOString();
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 name and value", "");
33         if (value != "" && value != null) {
34             setCookie(cname, value, 365);
35         }
36     }
37 }
```

pass through cookies



The image shows a code editor with PHP code. The code includes a header file, checks for a cookie named 'username', and uses it to query a database for survey results.

```
1
2
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 Creators: " . $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("titlesname").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("use name")){
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, including 'result_entity'. The 'result_entity' table is selected, and its structure is shown in the 'Table: result_entity' pane below. The table has four columns: 'id_choice' (INT(11) AI PK), 'id_question' (INT(11)), 'answer' (TEXT), and 'id_survey' (INT(11)).

The 'Query 1' pane shows the following SQL query:

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

The 'Result Grid' pane displays the query results, showing 100 rows. The columns are 'id_choice', 'id_question', 'answer', and 'id_survey'. The data is as follows:

id_choice	id_question	answer	id_survey
41	46	q	28
42	47	e	28
43	46	q	28
44	47	e	28
45	56	spring	56
46	57	winter	56
47	56	spring	56
48	57	winter	56
49	66	strawberry	41
50	67	4	41
51	66	watermelon	41
52	67	2	41
53	66	red dates	41
54	67	3	41
55	66	red dates	41
56	67	2	41

The 'Action Output' pane shows the execution log for the query:

	Time	Action	Response	Duration / Fetch Time
1	21:18:24	SELECT * FROM yge_48947.answer_entity LIMIT 0, 1000	125 row(s) returned	0.0042 sec / 0.00007...
2	21:18:36	SELECT * FROM yge_48947.question_entity LIMIT 0, 1000	37 row(s) returned	0.0034 sec / 0.00001...
3	21:17:36	SELECT * FROM yge_48947.result_entity LIMIT 0, 1000	50 row(s) returned	0.0032 sec / 0.0000...

5) Form Validation - Regular Expressions

```
79
80
81 }
82 ?>
83
84 <form class="form" action="SignUp.php" method="post" enctype="multipart/form-data" autocomplete="off">
85     <b>User Name:</b>
86     <p><input type="text" placeholder="User Name" name="username" required
87         pattern="^[a-zA-Z0-9]{2,15}$"/>
88         <span>Note: only enter characters and numbers</span>
89         <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
103     <b>Confirm Password:</b>
104     <p><input type="password" placeholder="Confirm Password" name="password2" required/>
105         <span style="color:red"><?php echo $passwordErr; ?></span></p>
106
107     <input type="submit" value="Register" name="register" />
108
109 </form>
110
111 </body>
112 </html>
```

pattern: regular expressions

6) User-Admin-Login

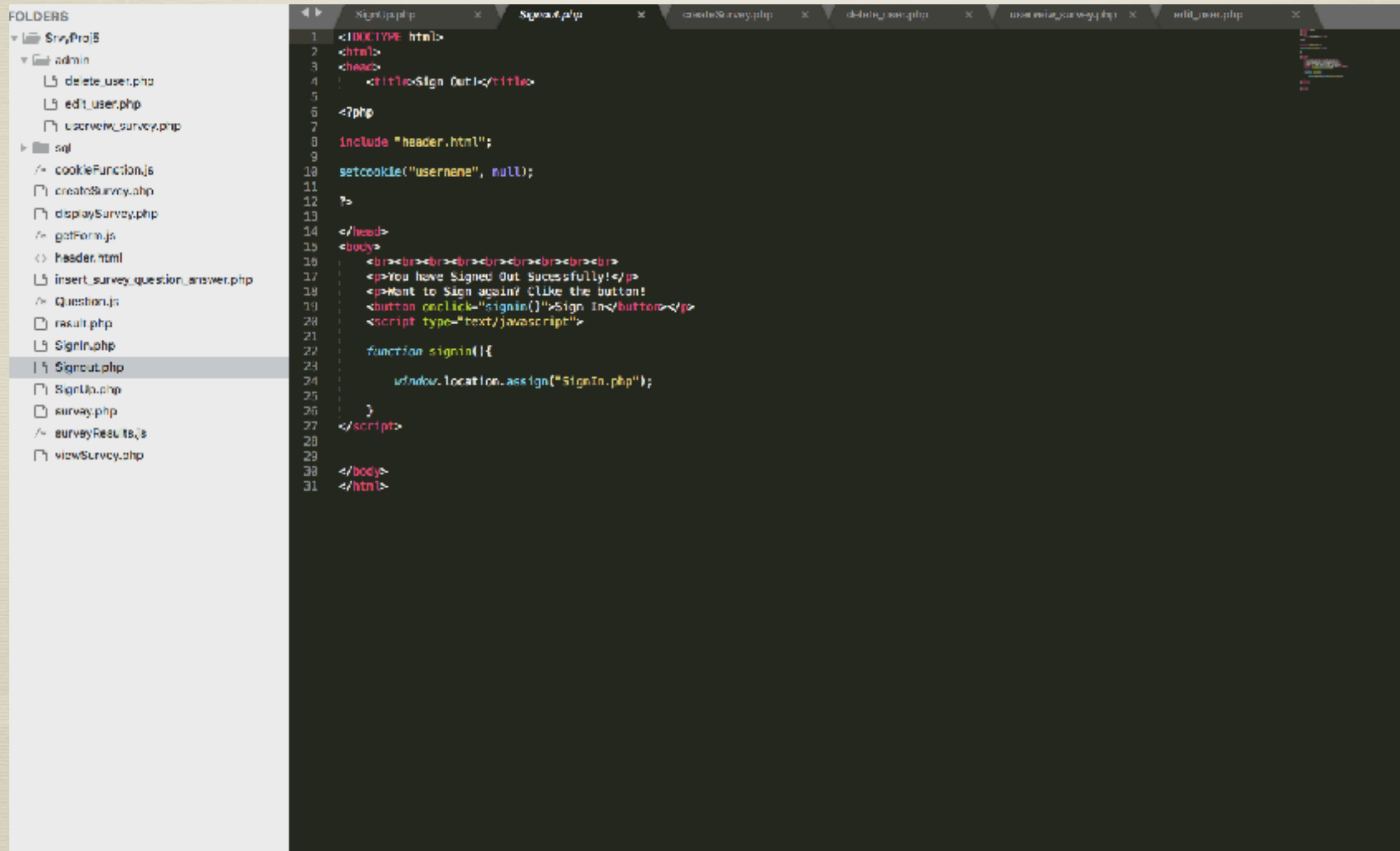
FOLDERS

- ▼ SrvyProj5
 - ▼ admin
 - delete_user.php
 - edit_user.php
 - userview_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
15
16 <?php
17 include 'sql/connect_mysql.php';
18 include 'header.html';
19
20 //check whether username and password have been registered!
21 $email_Err = "";
22 $pwd_Err = " ";
23 if (isset($_POST['userInput']) && isset($_POST['passwordInput'])) {
24     $username = mysqli_real_escape_string($conn, $_POST['userInput']);
25     $sql = "SELECT id_user, username, email, password FROM user_entity WHERE username = '" . $username . "'";
26     $result = $conn->query($sql);
27     $row = $result->fetch_assoc();
28     $pwd = mysqli_real_escape_string($conn, $_POST['passwordInput']);
29
30     if ($username != $row['username']) {
31         $email_Err = "<p>your username is incorrect. please check then and try again!<br></p>";
32     } elseif ($pwd != $row['password']) {
33         $pwd_Err = "<p>your password is incorrect. please check then and try again!<p><br>";
34     } else {
35         echo "<script>localStorage.removeItem('title');</script>";
36         echo "<script> window.location.assign('createSurvey.php?userInput=" . $username . "' . "1); </script>";
37     }
38     setcookie("username", $username, time()+3600);
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>" . $pwd_Err . "</span>" ?</h4>
```

7) Cookies - Sessions - Securing Pages



```
FOLDERS
▼ SrvyProj5
  ▼ admin
    delete_user.php
    edit_user.php
    userview_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

Signin.php Signout.php createSurvey.php delete_user.php userview_survey.php edit_user.php
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Sign Out</title>
5
6 <?php
7
8   include "header.html";
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 Successfully!</p>
18   <p>Want to Sign again? Click the button!</p>
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 </body>
30 </html>
```

Display: Sign up

Survey Engin

User Name:

fnal

Note:only enter characters and numbers

Email:

fnal@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!](#)

[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: add title and question and answer

Survey Engin

Welcome finall

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!](#)

Sign Out

Sign In

Create Your Own Survey!

Please enter your survey title:

Submit title

Survey Name: fruit

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

Display: add more questions

Survey Engine

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

☐ banann

☐ 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:
[final](#)

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
Edit	Delete	test17	test17@example.com	Test17abc
Edit	Delete	test18	test18@example.com	Test18abc
Edit	Delete	STAT	STAT@EXAMPLE.COM	stat17ABC
Edit	Delete	Test19	test19@example.com	Test19abc
Edit	Delete	surveytest	surveytest@example.com	surveyTest17
Edit	Delete	user22	user22@example.com	User22abc
Edit	Delete	mario	mario@example.com	Mario12345
Edit	Delete	free	f@example.com	FREE12345abc
Edit	Delete	survey9	survey9@example.com	Survey999
Edit	Delete	final	final@example.com	Final123

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: test17
User name: 
Email address: 
Password: 

Username: Record has updated successfully
Go back to userview page! Click \*\*\*here\*\*\*
```

*

Thank you!