

Individual Project

Survey Engine

[Github Repo](#)

CSC-17B

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Instructions on How to Run

1. Download project folder
2. Import dump files in MySQL Workbench to create SQL tables
3. Place folder in XAMPP
4. Run MySQL database and Apache web server
5. Open project in Netbeans
6. Run index.php file

Login Credentials

Admin username: admin **password:** admin123

User username: user **password:** user123

Summary

This individual project implements a login/registration admin system that allows admins to register for accounts as well as create, read, update, and delete surveys created. I used SQL queries to access the database in the backend to modify the information for a specific survey. Using the primary key allowed for the correct item to be accessed and displayed to the pages. Sessions are used in order to pass along “id”s between pages which are then used to access data related to a specific survey in the database.

Files Layout

SurveyEngine


- Question.php: class file used to create Question objects
- Survey.php: class file used to create Survey objects
- TestAQ.php: file used to test Question objects created
- connection-inc.php: establishes connection with database
- createSurvey.php: create survey and save to database
- deleteSurvey.php: disable a survey and update in the database
- editSurvey.php: get survey information from database, display in a form for updates, then update in the database
- error.php: error displayed to page
- functions-inc.php: PHP functions used for login/register
- index.php: starting file for project/ “home” page
- login-inc.php/login.php: login functionality
- logout.php: logout functionality
- newSurvey.php: form to create a new survey
- register-inc.php/register.php: register functionality
- styles.css: CSS styles applied throughout project
- surveyDump.sql: SQL dump files for database

- welcome.php: page that lists all surveys after logging in


Topics

1. Objects - Javascript/PHP - Serialization
 - a. Survey.php and Question.php are class files for the Survey and Question objects
 - b. Passing info with Javascript Objects to PHP Objects with Cookies
 - c. \$_SESSION in PHP object
2. Reading/Writing Files/Local Storage/JSON - Javascript
 - a. Stringify username
3. Form Validation - Regular Expressions
 - a. login.php uses regular expressions to validate user input for login credentials
4. User-Admin-Login System
 - a. Admin interface can create, read, update, and delete (deactivate) surveys in the database
5. Cookies - Sessions - Securing Pages
 - a. Login and logout functions uses sessions
6. SQL Mancala Database Tables


entity_user

	Field Name	Field Type
	user_id	Integer [INT]
	user_name	Text [VARCHAR]
	password	Text [VARCHAR]
	status	Bit (fix) [BIT]


entity_survey

	Field Name	Field Type
	survey_id	Integer [INT]
	title	Text [VARCHAR]
	is_active	Bit (fix) [BIT]
	numQuestions	Integer [INT]
	description	Text [VARCHAR]


entity_question

	Field Name	Field Type
	question_id	Integer [INT]
	question	Text [VARCHAR]


entity_option

	Field Name	Field Type
	option_id	Integer [INT]
	option	Text [VARCHAR]


enum_question_type

	Field Name	Field Type
	question_type_id	Integer [INT]
	question_type	Text [VARCHAR]

xref_survey_question

	Field Name	Field Type
	x_survey_question_id	Integer [INT]
	survey_id	Integer [INT]
	question_id	Integer [INT]

xref_survey_question_answer

	Field Name	Field Type
	x_survey_question_id	Integer [INT]
	survey_id	Integer [INT]
	question_id	Integer [INT]
	answer_id	Integer [INT]

Sample Input/Output



Create Survey

Create Survey

Survey Title:
Cryptocurrency

Number of Questions:
2

Question 1:
How much, if at all, have you heard or read about cryptocurrencies such as Bitcoin or Ethereum?

Number of Response Options: 4

1)
A lot

2)
Some

3)
Not much

4)
It's my first time hearing about it now

Question 2:
Do you own cryptocurrency?

Number of Response Options: 2

Read/View Survey

Survey Details

Title: Cryptocurrency

Description: What do you know about cryptocurrencies?

Questions

Question 1

How much, if at all, have you heard or read about cryptocurrencies such as Bitcoin or Ethereum?

Answers

Answer 1

A lot

Answer 2

Some

Answer 3

Not much

Answer 4

It's my first time hearing about it now

Update Survey

All Surveys

Title	Description	Status	
Favorites	What are your favorites?	Active	View Edit Update Status
Cryptocurrency	What do you know about cryptocurrencies?	Active	View Edit Update Status
Course Feedback	Please provide feedback for your courses this semester	Active	View Edit Update Status

Edit Survey

Title:

Favorite Survey

Description:

Describe your favorites

Update

SurveyMonster

The best way to do surveys!

Hello, admin

Create SurveyLogout

All Surveys

Title	Description	Status	
Favorite Survey	Describe your favorites	Inactive	<div>ViewEditUpdateStatus</div>
Cyyptocurrency	What do you know about cryptocurrencies?	Active	<div>ViewEditUpdateStatus</div>
Course Feedback	Please provide feedback for your courses this semester	Active	<div>ViewEditUpdateStatus</div>

Delete Survey

All Surveys			
Title	Description	Status	
Favorite Survey	Describe your favorites	Active	<div>ViewEditUpdateStatus</div>
Cyyptocurrency	What do you know about cryptocurrencies?	Active	<div>ViewEditUpdateStatus</div>
Course Feedback	Please provide feedback for your courses this semester	Active	<div>ViewEditUpdateStatus</div>

Survey with ID 1 has been deactivated. Go [back](#)

All Surveys

Title	Description	Status	
Favorite Survey	Describe your favorites	Inactive	<div><div>View</div><div>Edit</div><div>Update Status</div></div>
Cryptocurrency	What do you know about cryptocurrencies?	Active	<div><div>View</div><div>Edit</div><div>Update Status</div></div>
Course Feedback	Please provide feedback for your courses this semester	Active	<div><div>View</div><div>Edit</div><div>Update Status</div></div>