Survey

Web Application

CIS-17B Spring 2023

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## 

# **[Introduction](#_Table_of_Contents)**

This program simulates a survey with three multiple choice options to choose from. The application was originally created as a C++ program, and then it was converted to a web application that leverages JavaScript, PHP, and a MySQL database.

# **Objective**

Answer a series of questions and view a chart based on an accumulation of the user’s answers in the database.

# **Rules**

* A user must sign-up for an account.
* A registered user must login to their account correctly to take the survey.
* Answer every question once and submit survey to view a chart.

# **[Development Summary](#_Table_of_Contents)**

#### Objectives Completed

* The signup form creates a sign-up cookie and inserts a new record into my database, then it redirects the user to login.html.
* The login form creates a login cookie and returns the record that matches the email in my database, then it redirects the user to survey.html.
* Converted C++ classes to JavaScript objects: User, Survey, Votes, Questions.

#### Objectives Incomplete

I ran out of time.

* It needs to update the player’s votes in the database. Assests > php > DBUpdate.php only works for a static cookie, but I need to call it after a user submits their survey.

# [**GitHub Repository**](#_Table_of_Contents)

<https://github.com/koa2019/survey>

* **Latest version:** survey\_php\_v5
* I’m going to keep working on it after I submit it tonight, so my GitHub will have the most current working version.

# **Run Configuration Setup**

Refer to survey\_html\_code > docs\_survey\_html > setupSurveyWebApp\_demo.pdf

# [**Sample Sign Up and Login**](#_Table_of_Contents)

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

# **Where to Find Concepts**

|  |  |
| --- | --- |
| MVC - How you delineated your objects | Votes.js  Survey.js  User.js  Admin.js |
| Objects - JavaScript/PHP - Serialization | getLoginForm.html  getSignUpForm.html |
| Reading/Writing Files/Local Storage | I wanted to implement local storage to display user’s profile |
| Databases SQL | surveyDB\_2.odb  test\_entity\_user\_votes.sql |
| Form Validation | login.js |
| User-Admin-Login | AdminMenuPage.html |
| Cookies - Sessions - Securing Pages | getLoginForm.html  getSignUpForm.html  cookies.js  getForm.js |

# [**UML Chart**](#_Table_of_Contents)

A picture containing screenshot, text, design

Description automatically generated

# [**Flow Chart**](#_Table_of_Contents) **Survey C++**

The full version of this flowchart is in the store\_cpp>docs>charts folder.

Diagram, shape, polygon

Description automatically generated

# [**Pseudo Code**](#_Table_of_Contents)

1. Convert Questions.cpp to JavaScript.
   1. Reference my GitHub Trivia Game.
2. Convert Survey.cpp class to JavaScript.
3. Create Survey.html to display Questions object.
4. Convert Votes.cpp class to JavaScript.
5. Convert User.cpp class to JavaScript.
6. Create login.html
   1. Login form redirects to Survey.html.
   2. Sign up form creates new record and redirect to login.
7. Add cookies and PHP to handle sign up and login.
   1. Reference Dr. Lehr’s DBConnect, ShopLogin programs.

# [**Reference**](#_Table_of_Contents)

1. Lehr, Mark. “2023\_Spring\_CSC\_CIS\_17B · ml1150258/2023\_spring\_csc\_cis\_17b.” GitHub, 2023,<https://github.com/ml1150258/2023_Spring_CIS_CSC_17B>.
2. Nixon, Robin. *Learning PHP, MySQL & Javascript: With jQuery, CSS & HTML5*. 5th ed., O’Reilly Media Inc., 2018.