Individual Project
Time Tracker
[Github Repo](#)

CSC-17B
Date: 06/11/2023

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Extra Github Link: https://github.com/JCarlito/TimeTrackerWeb

Implementation:

Implementation began with structuring the sql tables before writing any code. I took this approach so I could visualize how I was going to go about storing data. Then I went on to create a simple time tracker page with buttons. Once the time tracker page was working, I then began to create the User and Admin pages for signing in and keeping track of students.

Instructions on How to Run 17B_GUIStoreFrontv4

1. Create an SQL schema named "timetracker". If you can't create a schema with the name "timetracker" then name it anything and then navigate to the db_connection.php file in 17B_GUITimeTrackerv1 and change the $db variable to fit the name chosen.
2. Next import the timetracker.sql file into SQL workbench and run the query inside the timetracker schema to set up the database.
3. Next make sure in XAMPP that mySQL and Apache are running
4. Then open the 17B_GUITimeTrackerv1 project and run the sign_in.html file and begin logging your time

NOTE: If the following credentials do not work. A user account can simply be created. To create an admin account an admin key is necessary which is "1234" in case the admin credentials do not work.
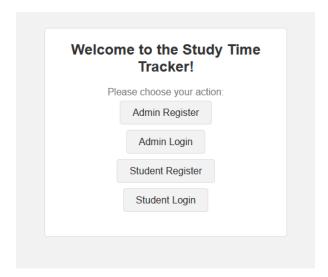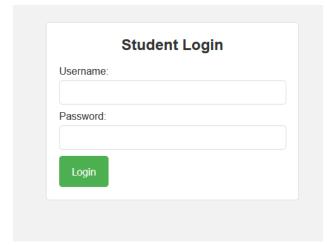
Login Credentials

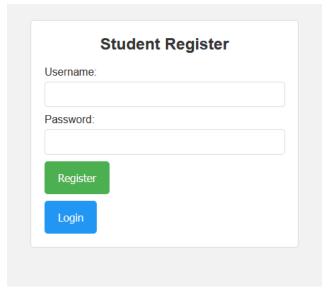   **Admin username**: mlehr   **password**: mlehr

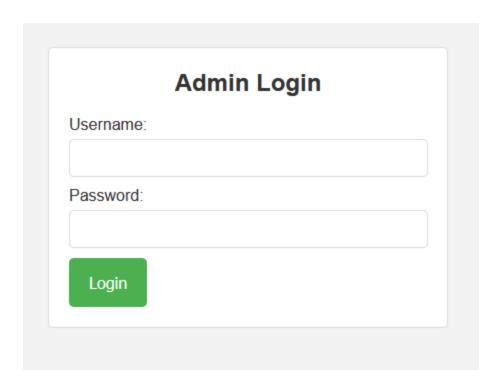   **User username**: jcarlito   **password**: jcarlito
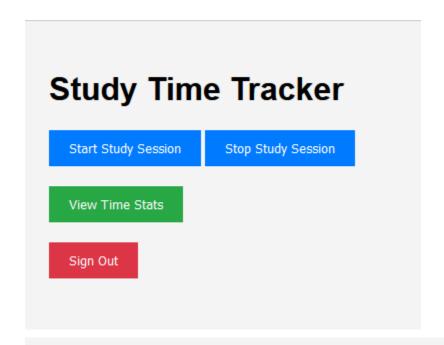
Sample Input/Output

Welcome to the Study Time Tracker!

Please choose your action:

Admin Register

Admin Login

Student Register

Student Login

Student Login

Username:

Password:

Login

Student Register

Username:

Password:

Register

Login

Admin Login

Username:

Password:

Login

Admin Register

Username:

Password:

Admin Key:

Register

Login

Time Tracker

Study Time Tracker

| Start Study Session | Stop Study Session |

View Time Stats

Sign Out

Time Stats

Date	Length (seconds)
2023-05-31 20:07:02	15
2023-05-31 20:08:07	100000
2023-05-31 20:21:29	16
2023-06-11 02:26:34	6

Total study time: 27 hour(s), 47 minute(s), 17 second(s)

Return to Time Tracker

Admin page

Welcome to the Admin Page

Edit Users

Edit Time

View User's Time

Edit Users

Username	Password		
jcarlito	Leave blank to keep current password	◉ Activate ○ Deactivate	Edit User
gcarlito	Leave blank to keep current password	◉ Activate ○ Deactivate	Edit User
lcarlito	Leave blank to keep current password	◉ Activate ○ Deactivate	Edit User

Edit Users

Username	Date	Time	Action
jcarlito	2023-05-31 20:07:02	15	Edit Time
jcarlito	2023-05-31 20:08:07	100000	Edit Time
jcarlito	2023-05-31 20:21:29	16	Edit Time
gcarlito	2023-06-01 23:42:54	950519	Edit Time
lcarlito	2023-06-01 23:48:10	15691	Edit Time
lcarlito	2023-06-01 23:48:24	426	Edit Time
jcarlito	2023-06-11 02:26:34	6	Edit Time

View User Time History

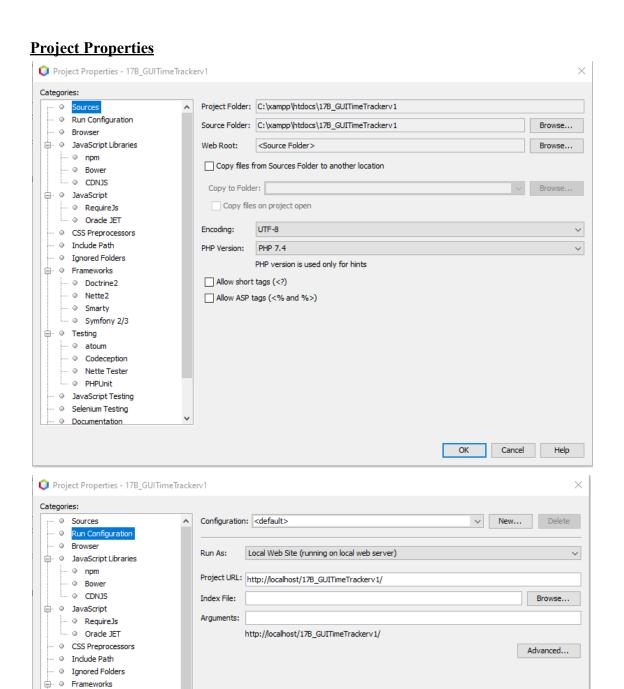| Username	Actions
jcarlito	View User
gcarlito	View User
lcarlito	View User

User's Study Times

Date	Time
2023-05-31 20:07:02	15
2023-05-31 20:08:07	100000
2023-05-31 20:21:29	16
2023-06-11 02:26:34	6
Total Time	27 hour(s), 47 minute(s), 17 second(s)

Return to Time History

Summary
Folder/Files Layout

17B_GUITimeTrackerv1

Source Files

- Php_scripts
    - Admin_login_process.php
    - Admin_register_process.php
    - Customer_login_process.php
    - Customer_register_process.php
    - edit_time.php
    - Edit_user.php
    - Sign_out.php
    - View_user_history.php
- Admin.php
- Admin_login.html
- Admin_register.html
- Customer_login.php
- Customer_register.php
- Db_connection.php
- Edit_times.php
- Edit_users.php
- Sign_in.html
- timetracker.php
- user_view_time.php
- view_users_time.php

Project Properties

1. Objects - Javascript/PHP - Serialization
   a. $_SESSION in PHP is an object

2. SQL Time Tracker Database

Users SQL Tables

Admins:

	admin_id	username	password
▷	1	mlehr	$2y$10$Cm/(
	2	jadmin	$2y$10$ivSnB
⚙	<AutoField>		

Time log:

	log_id	user_id	date	time
▷	3	1	05/31/2:	15
	4	1	05/31/2:	100000
	5	1	05/31/2:	16
	6	2	06/01/2:	950519
	7	3	06/01/2:	15691
	8	3	06/01/2:	426
	9	1	06/11/2:	6
⚙	<AutoFiel			

Users:

	user_id	username	password	status
▷	1	jcarlito	$2y$10$j3yO\	1
	2	gcarlito	$2y$10$pHw\	1
	3	lcarlito	$2y$10$EGxd.	1
⚙	<AutoFielc			

3. Form Validation - Regular Expressions
   a. Registration uses form validation and hashing for user information and verification. Javascript is used as well to display error messages with sign-in validation

4. User-Admin-Login
   a. Admin interface implemented. Can edit users' status, username, password. You can edit the amount of time a user has logged (seconds) and view all the user's time logs.

5. Cookies - Sessions - Securing Pages
   a. Login and logout functions use PHP sessions.
   b. User can not directly access the timetracker or admin page without login in. If they try to access a page they will be redirected.