



# TIME TRACKER APPLICATION



<https://spark.adobe.com/sp/design/post/c20d34b7-27b1-47d8-b586-49044e470f65>

## About the Project

This project was a month-long project to teach the class about the use of time tracking for the class over the course of its four-week schedule. The class tracked their time for three weeks, wrote a custom time tracking application to help understand that in the real world, most companies have you track your time in any application or activity that may be accomplished over a given period of the day.

## Time Management

Time was tracked in a spread sheet for a three-week period of time to show the amount of time we spent during that time, in order to account for the amount of work and in what area that any class activity was performed.

## Time Management Issues

The only time management issues that a normal student has is the fact of an over demanding work schedule, as well as trying to figure out when schoolwork could be taken care of during that normal weekly period. Some weeks, it was not a huge undertaking, but there were weeks, the work schedule as well as family could take it toll on trying to get the weekly tasks accomplished.

## Research & Development (R&D)

The major research and development that was accomplished with this application was the login screen. A piece of nice code was found on the web to mask the password, which to the seasoned veteran is not a huge deal but someone who is just starting out in the C# realm is an interesting find. The SQL was not a huge issue but was interesting to incorporate into a bigger program than normal. The username at the top of the main menu was interesting as well, research was done to center that welcome, username over the rest of the main menu.

Edward Welborn  
TIME TRACKER FINAL  
Project and Portfolio II  
MDV229-O  
C20190601

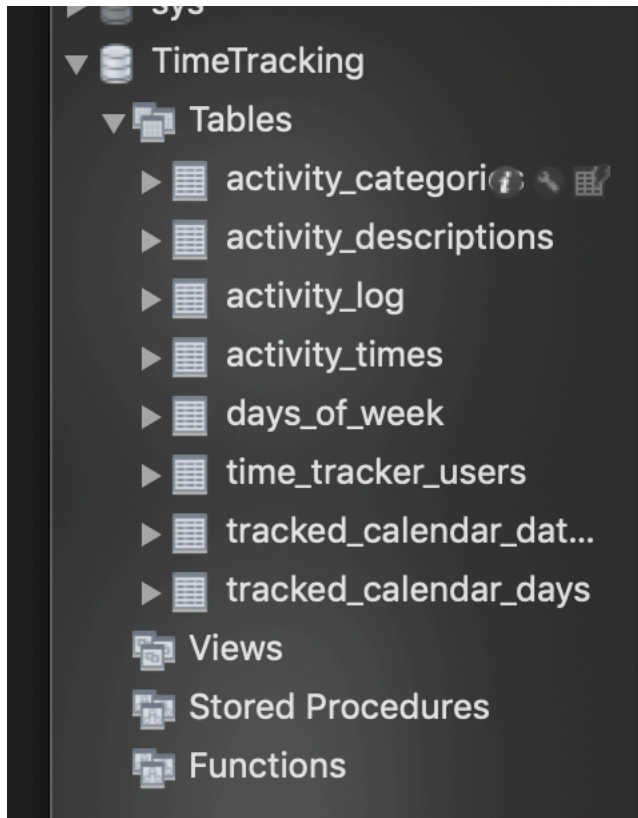
## The Data

The data was entered initially in a spreadsheet for tracking while the final project was being created and completed. This data was tracked over the first three weeks of class, the fourth week was entered into the application.

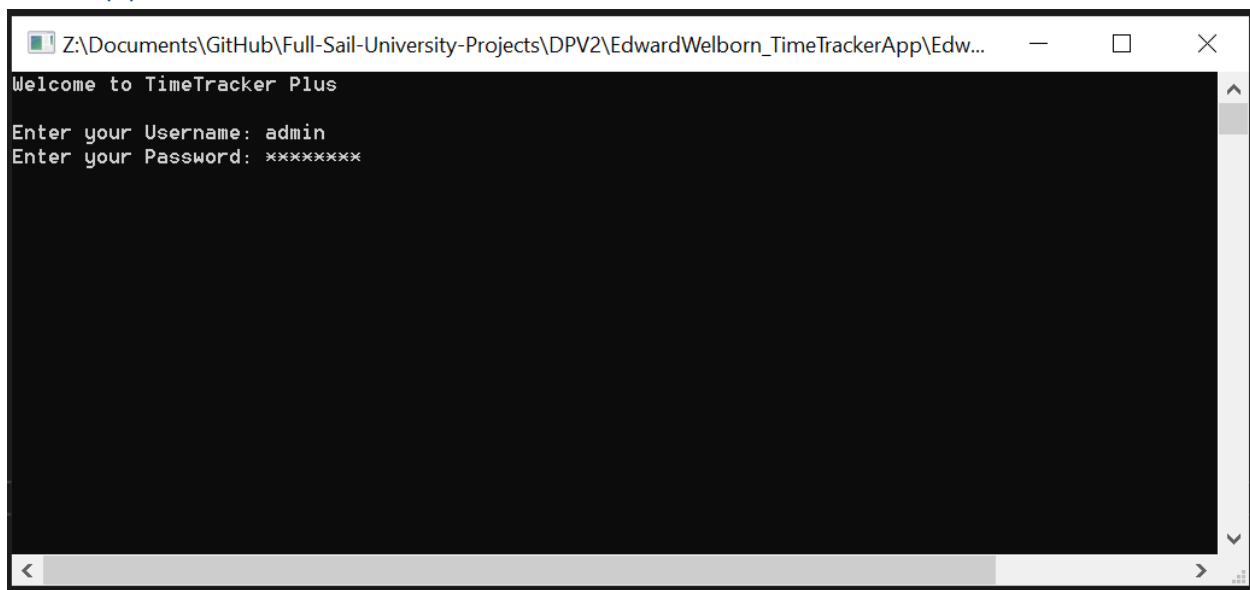
	A	B	C	D	E	F	G
	user_id	calendar_day	calendar_date	day_name	category_description	activity_descriptions	time_spent_on_activity
1	Edward Welborn	3	2019-06-03	Monday	Converting SQL to JSON	Coding	8
2	Edward Welborn	3	2019-06-03	Monday	Opening Discussion	Reading Assignment	1
3	Edward Welborn	3	2019-06-03	Monday	Opening Discussion	Writing	2
4	Edward Welborn	4	2019-06-04	Tuesday	Researched App Flowchart	Doing Assignment	5
5	Edward Welborn	5	2019-06-05	Wednesday	Researched App Flowchart	Staring at Computer Confused	1.5
6	Edward Welborn	5	2019-06-05	Wednesday	Researched App Flowchart	Reading Assignment	2
7	Edward Welborn	6	2019-06-06	Thursday	Researched App Flowchart	Doing Assignment	3
8	Edward Welborn	6	2019-06-06	Thursday	Time Tracker Sprint 1	Reading Assignment	1
9	Edward Welborn	6	2019-06-06	Thursday	Time Tracker Sprint 1	Doing Assignment	1
10	Edward Welborn	6	2019-06-06	Thursday	Opening Discussion	Doing Assignment	1
11	Edward Welborn	7	2019-06-07	Friday	Visual Story 1	Reading Assignment	1
12	Edward Welborn	7	2019-06-07	Friday	Visual Story 1	Studying	2
13	Edward Welborn	7	2019-06-07	Friday	Visual Story 1	Writing	1
14	Edward Welborn	8	2019-06-08	Saturday	Time Tracker EER & Database	Writing	5
15	Edward Welborn	8	2019-06-08	Saturday	Visual Story 1	Thinking	1
16	Edward Welborn	8	2019-06-08	Saturday	Visual Story 1	Writing	5
17	Edward Welborn	10	2019-06-10	Monday	Five Star Rating	Writing	3
18	Edward Welborn	10	2019-06-10	Monday	Five Star Rating	Testing	2
19	Edward Welborn	11	2019-06-11	Tuesday	Time Tracker EER & Database	Writing	3
20	Edward Welborn	11	2019-06-11	Tuesday	Custom App Code & Database	Writing	3
21	Edward Welborn	12	2019-06-12	Wednesday	Visual Story 2	reading Assignment	1
22	Edward Welborn	12	2019-06-12	Wednesday	Visual Story 2	Writing	3
23	Edward Welborn	13	2019-06-13	Thursday	Time Tracker App	Reading Assignment	2
24	Edward Welborn	13	2019-06-13	Thursday	Time Tracker App	Coding	3
25	Edward Welborn	13	2019-06-13	Thursday	Time Tracker App	Debugging	2
26	Edward Welborn	13	2019-06-13	Thursday	Time Tracker Sprint 2	Writing	2
27	Edward Welborn	14	2019-06-14	Friday	Time Tracker App	Testing	2
28	Edward Welborn	14	2019-06-14	Friday	Time Tracker App	Redoing	1
29	Edward Welborn	14	2019-06-14	Friday	Time Tracker App	Coding	3

## The Database

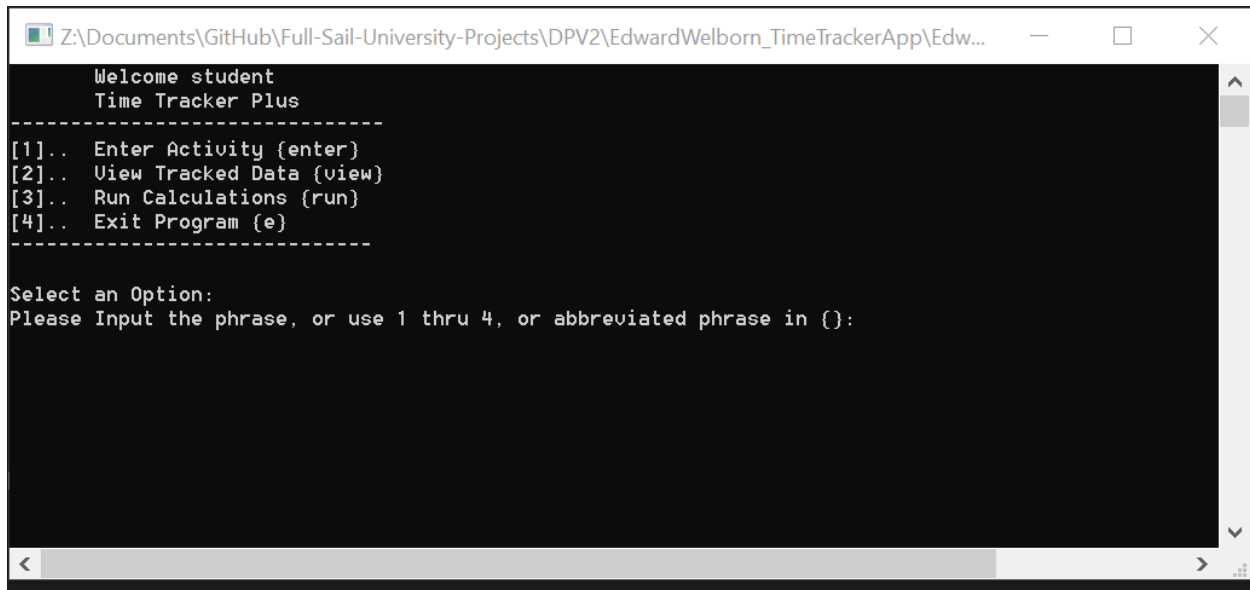
The database consists of eight tables. The activity log table catches the activity from the application, ie. The user entered a new activity.



## The App



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```

Welcome student
Time Tracker Plus
-----
[1].. Enter Activity {enter}
[2].. View Tracked Data {view}
[3].. Run Calculations {run}
[4].. Exit Program {e}
-----

Select an Option:
Please Input the phrase, or use 1 thru 4, or abbreviated phrase in {}:

```

The solutions to time management are quite simple. Drink more coffee, stay up later, because there never seems to be enough time in the day when you have a demanding workload to finish everything in the last week of class.

This week has been very enlightening, the things that were learned, the things tried and failed, the things tried and worked. Popular opinion is that even though not all projects were done on time as normal, it was a very productive week.

## References