SAT part 2

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| Date | SAC student journal input | Changes to project management |
| 09/05 | * Created layout of login page, register page, timer page and main page. Added basic styling. * Found JavaScript time and date code for the clock on the main page. |  |
| 17/05 | * Found easy to understand JavaScript code for timer. |  |
| 21/05 | * Added basic functions for login page (procedural). * Figured out how to do notifications with sounds. |  |
| 22/05 | * Refined the layout of login and register page. |  |
| 25/05 | * Further refined layout of login page, register page and main page. * Added basic functions for the timer page and main page (procedural). * Created database. * Changed the procedural code from the login page into OOP structure. | * The timer code stated in the pseudocode had to be used in the javascript code instead. PHP isn’t suitable for an interactive timer. |
| 26/05 | * Implemented ability to display, add and delete subjects/tasks on the main page. * Added more styling to the main page. |  |
| 28/05 | * SAT officially starts, got given the booklet | Changed milestone dates. Decreased time for development and increased time for evaluation. |
| 29/05 | * Further refined login and register page’s stylings. * Modified and played around with JavaScript timer code. Modified it to also count hours.   + The current modified timer doesn’t count milliseconds, making it inaccurate if the user repeatedly presses the start/stop buttons (it will always start from 0 milliseconds).   + The modified countdown timer doesn’t display hours properly. * Implemented the feature where the variable holding the time spent in the JavaScript is passed onto another php file. |  |
| 31/05 | * OOP is added to the register, main page and timer page. * Tried implementing validation on the password length (must be greater than 5 characters) when creating a new account. Doesn’t work. * Implemented the feature to manually input the time spent on subjects/tasks on the timer page. |  |
| 1/06 | * JavaScript clock and date code were slightly modified and added to the main page |  |
| 8/06 | * Refined main page’s styling. Converted from px to % and em measurements * Added a scroll bar to the subject/task list if the user’s list is too long * Added the countup timer to the timer page * Modified the timer code so that the timer also records milliseconds to ensure accuracy |  |
| 9/06 | * Continued to refine main page’s styling so that when the user minimises the screen, some of the element’s sizes adjust * Added the inspirational quote to the main page * Fixed the error message that displays when the user does not have any subjects/tasks so that it appears where the subject/task list should be (previously it displayed below the ‘add new subject/task’ input) * Merged the timer start and stop buttons together instead of having them separate * Fixed the timer display so that it when the seconds/minutes goes to 60 it displays it as 00 instead. (Previously, it would count 58, 59, 60, 00, 01…) * Renamed database to ‘studyt’. * Modified the add subject/task function so that users cannot add duplicate subjects/tasks to their list * Modified the delete subject/task function so that if users delete one subject/task, all records with the same name will be deleted. (When timing, a new record is created meaning that users can have multiple subjects/tasks with the same name. Previously, deleting a subject/task meant only deleting one of these records resulting in the software still displaying the other duplicate records) |  |
| 12/06 | * Refined header so that its links (home, view statistics, help etc) remain centred. * Instead of recording time interval between button presses on the timer, attempts were made to retrieve the actual timer values instead. Didn’t work – nothing was retrieved. * Instead of recording the milliseconds separately, attempts were made to record it alongside the seconds, minutes, hours etc. Didn’t work – the timer didn’t function. * Adjusted the manually adding time function to add on time to subjects rather than just overwriting the previous times. |  |
| 13/06 | * Fixed countdown timer and modified it so it also records milliseconds to ensure accuracy * Created basic settings page for timer preferences. * Implemented the feature that allows users to change and update their settings (through the usage of an XML file) and made it so that the settings form was automatically filled in based on the user’s previous settings * Allowed the user’s preferences from settings determine the type of timer used (countup/countdown).   + The session ($\_SESSION[‘type’]) doesn’t seem to work on the timer page. Had to duplicate the code that reads from the XML file to the timer page. * Tried to implement a confirmation message after the user has updated their settings. It either always displays or never displays. |  |
| 14/06 | * Modified the countdown timer code * Allowed the user’s preference from settings determine the length of the timer used for the countdown timer   + Had to use PHP sessions in the javascript so the file was renamed from countdown.js to countdown.php   + Converted user inputs to hours and minutes if necessary (eg. 70 minutes to 1 hour, 10 minutes).   + Added padding to timer. (eg. displaying 5 as 05)   + Added notification alert when timer runs out |  |
| 15/06 | * Fixed the problem with $\_SESSION[‘type’] not working on the timer page * Fixed the problem with the confirmation message after users have changed their settings * Allowed users to choose whether to turn on/off timer rings and notifications (does not effect timer yet) * Implemented the feature where the settings for the countdown timer is only shown when the countdown timer has been selected |  |
| 18/06 | * Sought out feedback from a peer and adjusted the reset button on the timer page so that it resets the timer only (doesn’t reset the value saved). Peer also suggested to implement a cancel or ‘go back’ button. * Attempted to cut down duplicated code by putting the code that connects the database and checks whether the user is logged in or not in functions and classes. Doesn’t work. | * Changed functionality of reset button based on peer feedback. * Changed timer design to also include a ‘go back’ or cancel button. |
| 19/06 | * Fixed the problem from yesterday (login\_check.php now works, reducing duplicate code). * Put the mySQL results into an associative array for the list of subjects/tasks. * Tried to implement sorting when user clicks on the table header. Didn’t work. * Implemented sorting using a select dropdown. Implemented the feature that allows users to select their preferred sorting style without having to click a submit button. It also saves the user’s previous sorting preference. |  |
| 20/06 | * Fixed the styling on the main page to implement the sorting select dropdown. * Added the caption between the header and the dropdown on the main page. * A-Z and Z-A sorting wasn’t working properly. Used the correct sorting functions and made it so that it is case insensitive. * Cut down duplicate code by placing the CSS reset code into a separate file. |  |
| 21/06 | * Modified timer done page. * Styled timer pages. * The start/stop buttons now change colours between green and red when pressed |  |
| 23/06 | * XML files containing the timer preferences are automatically created when a new user registers or when the XML file is deleted * Fixed problem with Internet Explorer not being able to add new subjects/tasks. * Fixed problem with Internet Explorer leaving whitespace between the header and the subject/task list * Fixed problem with links in the header expanding to its specified size in Microsoft Edge and Internet Explorer. Had to get rid of transition in CSS. * Styled main and timer pages so that it adjusts according to the browser screen width. |  |
| 24/06 | * Further refined main page and timer styling. |  |
| 26/06 | * Found out that users can select a subject/task to work on even if they don’t have it on their list. Attempted to fix the problem by checking if the subject selected is on their list and redirecting if it isn’t. Doesn’t work. |  |
| 27/06 | * Fixed the problem encountered yesterday (redirecting to the main page if the subject isn’t on the user’s list) * Started to format the timer done page * Implemented the confirmation of time spent (using the timer’s recorded value and adding it to the time spent on the subject/task) * Implemented the manual adding of time spent. |  |
| 3/07 | * Rearranged the order of the selection sort * Renamed database table containing subjects/tasks to ‘subList’ * Renamed column containing subject/task name to ‘subject’ * Refined some OOP functions (got rid of unnecessary public variables) * Got rid of a duplicate function (the Display function) * Adjusted display function so that it ‘resets’ the time spent to 0 at the start of a new day.   + Currently only uses the timezone for Australia, Melbourne * Adjusted the adding of time spent to subjects/tasks so that it either creates a new record if a record hasn’t been created for that day yet or updates a record if there is. |  |
| 4/07 | * Refined styling so that the solution can be used other web browsers |  |
| 8/07 | * Created a separate settings page (manage account) * Started to add functions to the manage account settings page so that it changes the user’s details * Started to create another separate settings page (manage subjects and tasks) |  |
| 9/07 | * Added functions to the settings - manage account page so that it changes user details * Attempted to add a feature that prompts the user to enter in their password to confirm their action when deleting their account.   + Doesn’t work. Regardless of whether the password they inputted was correct or incorrect, the action of deleting their account was performed anyways.   + Couldn’t figure out how to hide the password input in the prompt box (using JavaScript prompts)   + Couldn’t figure out how to pass a variable stored in methods to the JavaScript code (besides using sessions) * Created a page for the settings - subject/task list and tried displaying the subject/task list. * Created a page for the report. Correctly displays the total time spent (in minutes only for now) and the amount of time spent on a subject for the current date.   + Can’t figure out how to display the subject/task list without reduplicating large amounts of code for the subject/task list settings and for the report. |  |
| 12/07 | * When timer runs out, the sounds now play on a loop until the user clicks to reset the timer or clicks the done button. * Cut down on reduplicated code that displays the subject/task list. * The correct subject/task lists now displays depending on the page the user is on. * Fixed formatting for the report. |  |
| 15/07 | * Timer rings and notifications are turned on/off depending on the user’s preferences stated in the settings * Added validation to the timer length input in the settings * Encountered a problem with the sorting not working * Added some styling to the subject/task list in the settings |  |
| 17/07 | * Added more detail to the error that displays when the database isn’t found * Added validation for the max subject/task name length * Added some styling for all setting pages * Fixed error with the report page displaying the lengths of time spent even when no times are associated with it * Fixed sorting across all pages * Encountered problem. On the settings (manage subject/task list) page the ‘save changes’ button seems to be unresponsive and the textboxes aren’t passing any values when using the methods in the separate PHP file.   + Duplicated some parts of the code so that it works on the page.   + Can’t sort, if the select sort is implemented on the page the ‘save changes’ button becomes unresponsive again. * Editing the textboxes in the settings (manage subject/task list) page changes a subject/task name but doesn’t update the list shown on the page.   + Only seems able to be updated when running the code in the separate PHP file (which can’t run on this page)   + Seems to only change the first subject/task, not the correct one. |  |
| 19/07 | * Fixed problem from two days ago. Got the code to work from the separate PHP file. Users can now edit subject/task names. * Added validation to the editing subject/task inputs * Added styling to settings page (timer) |  |
| 20/07 | * Refined styling for settings page (timer preferences) * Got rid of the adding subject/task feature in the settings page (manage subject/task list) – users cannot edit subject/task names with this feature currently in place * Started creating the help page. | * Got rid of adding subject/task feature on the settings page |
| 23/07 | * Discovered the risk of using GET instead of POST to delete subjects/tasks. Tried to use POST instead of GET to delete subjects/tasks. Button doesn’t work. * Continued creating the help page. |  |
| 24/07 | * Instead of using GET to delete subjects changed the delete buttons to use POST instead for security reasons, prevents SQL injection. * The function to delete a user’s account also now uses POST instead of GET. The JavaScript password confirmation prompt now works with a sample password (not the user’s password yet). * For testing purposes, 1 second equalled to 1 minute (so that I didn’t have to wait 1 or more minutes just to check if the timer records and saves the correct value). Changed back to normal it so that the seconds were converted to minutes before saving it to the database record. |  |
| 27/07 | * Fixed issue with the previous records not being displayed properly. * Records display minute/s depending on length. |  |
| 28/07 | * Styled buttons on report page * Added a feature allowing users to search for a date in the report page * Fixed issue with users being not being able to view the current day’s report after looking at previous records. Users are also not allowed to look at future records. * Firefox was updated so the old custom styling for it was removed (as it is styled like the other browsers now) * Fixed issue with not being able to click buttons on Firefox. * Fixed styling with the delete account link and with the delete account alert message popping up even when users have not clicked the link. |  |
| 29/07 | * Completed help page * Finished the styling for the timer done page and settings (account) page * Got rid of any unnecessary code/comments * Fixed error messages not displaying on login/register pages * Got a new logo and adjusted styling * Fixed display name not appearing when users first registers * Cursor changes depending on where it’s hovering * Submitted solution |  |
| 31/07 | * Started creating testing table |  |
| 01/08 | * Continued creating testing table |  |
| 02/08 | * Started testing solution |  |
| 04/08 | * Continued testing solution |  |
| 05/08 | * Continued testing solution * Finalised testing table and submitted |  |
| 06/08 | * Started creating usability test plan |  |
| 08/08 | * Finished creating usability instrument * Finished creating the questionnaire used in the usability instrument * Finished creating the usability test plan |  |
| 09/08 | * Got two test participants to test the software solution |  |
| 10/08 | * Got two test participants to test the solution |  |
| 12/08 | * Got another test participant to test the software solution * Started to type up recorded responses onto a word document |  |
| 13/08 | * Wrote up the brief report. * Found a problem with the countdown timer being inaccurate after 1 minute when the user rapidly clicks the start/stop button. Fixed it so that it is still accurate after 1 minute. |  |
| 14/08 | * Fixed validation on the login, register and settings (account) input boxes * Added delete account function * Turned off autocomplete for most input boxes |  |
| 15/08 | * Turned off autocomplete for the input box on the timer done page * Found a problem with the count up timer being inaccurate after 1 minute when the user rapidly clicks the start/stop button. Fixed it so that it is still accurate after 1 minute. * Added a simple pie chart to the report pages * Started to implement a weekly report * If the user has spent more than 1 hour working (either in total or for a subject/task) the report now displays the hours and minutes worked as well as the total minutes worked   + eg. 2 hours and 30 minutes (150 minutes) |  |
| 16/08 | * Discovered an issue with the feature that users can use to manually add the length of time spent on a subject/task – the value will not be added if the user presses the done button, it will only be added if the user presses the enter key. * Continued to implement the weekly report |  |
| 17/08 | * Continued to try implement the weekly report. Couldn’t figure out how to get more than one record to use in the weekly report. Decided not to implement the weekly report. |  |
| 20/08 | * Refined the appearance of the reports (graphs) * Tried to implement the weekly reports once again |  |
| 21/08 | * Further refined appearance of the reports (information displayed) * Added more validation to the username input on the settings (account) page so that users can only have unique usernames * Added more validation to the timer done manual time input box so that extremely large values cannot be used |  |
| 24/08 | * Started creating strategies to evaluate the software solution |  |
| 25/08 | * Finished creating strategies to evaluate the software solution * Started writing the evaluation of the software solution |  |
| 26/08 | * Finished evaluation of the software solution |  |
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