

# Documentation

## Process

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With the development of the web application, there were many times when 'trial and error' occurred. The process started off with the building the login and sign up functionality. To start off the program, I started to develop the front end of the login and sign up. I code in the labels and the input buttons so the user is able to input text and press either login or signup. This ended up using a database query on mysql to save the user names and passwords. I started off by doing the script so when the user signs up they will receive a message saying that they successfully signed up. There were some technical issues where action would not work when the user signed up. But this was an error where loop statement was not working properly, I fixed it as the curly bracket was misplaced. Once this got solved I was able to make the login function, this was similar to making the signup but instead of stringing data into the database query it would use the data that is already stored in the database and starts the session if the login is successful. I was able to get a better idea on how to build a signup and login system through the references below.

Once the sign up and login were working, now it was time to create the spending tracker. First I created the 5 inputs for the spending. Those were the total income, bills, petrol, groceries, and spending money. These were the inputs for the user to place into the text boxes, there are also buttons placed at the bottom of the input boxes. I started to code the creation of the database, so that when the user inserts the data into the text boxes it will save it into the database. There were issues when it came to uploading the data into the database. This issue was resolved because the statement did not have a ending bracket at the end, therefore once the issue was solve the data was being uploaded into the database.

Once the previous issue was solved, I was able to implement code so we could be able to view the data. There was an issue where if I entered the same number into the total income label it would come up with an error. This error was happening because the total income was the primary key and not the ID. To fix this error it was simple, as all I did was change the primary key in the database and that solved the issue.

Once these issues were solved being able to implement the update and delete functions into the web applications were straightforward as those functions were similar to one another. The only issue that arise was when you would select to edit the data two navigation bars appeared. I realised that I had placed the header location in the update.php file and all I had to do to solve it was just to remove it.

The final process for this project was to upload it to a web server. This process was a bit complicated as there was many things to change in the code. Such as the server host, database names and location of files. These were issues where it was a step by step process to solve. Once everything was up on the server, I was able to change the code so that it can display everything and get the whole web application working. Once all issues were solved the web application was working fine.

[www.tutorialspoint.com](http://www.tutorialspoint.com) / (2019) / PHP MySQL Login. / [Accessed 21 Mar. 2019] / [https://www.tutorialspoint.com/php/php\\_mysql\\_login.htm](https://www.tutorialspoint.com/php/php_mysql_login.htm)

W3schools.com / (2019) / How To Create a Login Form / Available at: [Accessed 19 Mar. 2019] / [https://www.w3schools.com/howto/howto\\_css\\_login\\_form.asp](https://www.w3schools.com/howto/howto_css_login_form.asp)

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