Documentation

We need to make a web application that uses a server side scripting language such as php, sql, and css. That display information from the sql database and using css to make design and readable, make bookings, display information such as date, names, and products, and forms.

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| Languages | Advantages | Disadvantages |
| PHP | It good for making multiple web pages, easy to work with css, html, and other languages and it also open source | It can be slow to load the web pages, can have security risk if the code is not properly done |
| CSS | Makes the layout better using the colours, layout, font size you want, and makes more readable | Result can be different based on the browser |
| SQL | It's good for storing data and manipulate the data, can share across multiple web pages using the sessions start or connection to the database | Some queries can be confusing, can be hard to learn |

This three languages can be the best fit for this scenario because it can store information and show information in php on a table such as rental dates, Customer details, and so on. You can also use form to store client information based on the product they choose, edit product information using php and connecting multiple web pages using sessions.

The web application must be:

* allow an administrator to login.
* 2 ‘standard’ users to login.
* allow an administrator to insert, update and delete information into each of your tables.
* upload/update/download images about the prodcuts
* standard users to only view information in each of your tables.
* Users that are not authenticated users should only be able to view the pages

All of this can be done using php, sql database, and css

Two ways to minimze potential database attacks

Based on [w3school](https://www.w3schools.com/php/php_mysql_prepared_statements.asp), we can use prepared statement to make sure to prevent any sql code injection or other cyberattack that affect database, and the second way is using a validation, with the proper validation of data is important to protect your form from hackers and spammers that affect your database