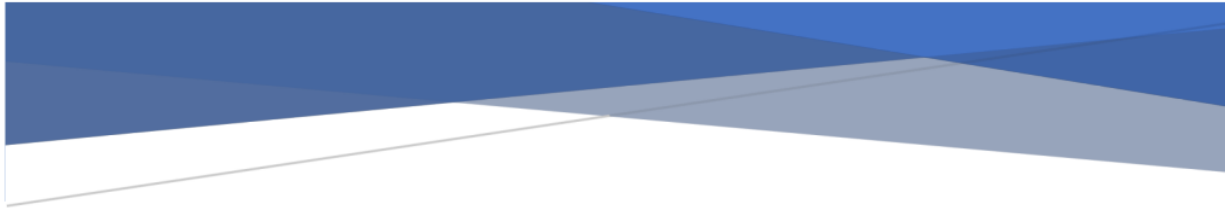


Thomas Platt 1902198

by Tom Christopher Platt

FILE	17228_TOM_CHRISTOPHER_PLATT_THOMAS_PLATT_1902198_294270_594656878.DOCX (103.17K)		
TIME SUBMITTED	18-JAN-2021 02:44PM (UTC+0000)	WORD COUNT	279
SUBMISSION ID	142557268	CHARACTER COUNT	1273



DATABASES AND APPLICATION DEVELOPMENT

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Analysis of my Solution

In order to make a secure solution there must at the minimum be a username and password protecting the data being accessed. This can be further improved by adding a complexity factor to the password upon creation for example must have a capital letter and 3 numbers in the password. Also not allowing invalid data to be entered into fields makes sure that the data cannot be illegible or false making sure that people cannot corrupt your database. Adding security levels to users so that not anyone can just add, edit or delete records and hence sabotaging your data and in turn potentially breaching GDPR laws.

My solution has some of the bare bones code you can view, add, delete records from two tables that are filled with data. My solution unfortunately has only one security feature so is extremely susceptible to attack from malicious sources. I have added validation to most fields so that data over a certain length may not be entered also the type of character able to be entered is also limited. I have struggled with this semester's work having been online so I have attempted to create the best site I can but unfortunately it isn't my best work I hope that next semester I can get into my stride a bit more and produce some better work. Having said that I have completed the add and delete I also managed to display the database my main problem was linking the pages I couldn't get it to work properly so each page is its own entity the only links are through the separate delete, add etc i.e. connecting the database.

FINAL GRADE

20/100

GENERAL COMMENTS

Instructor

WEBSITE

Database structure and design 6/15 - 2 tables provided which are essentially standalone. No normalisation (race and rank might be a candidate for this). Both tables have the same fields, so it would be better to combine them and have a field to indicate whether the row refers to a Jedi or a Sith eg "J" or "S"

Range of PHP code demonstrated - Your website is very confusing, in that it isn't really a website, more a collection of largely unrelated pages.

Displaying the Jedi sort of works, except for the ID field which should be JediID (as shown in the database, not Jedild.

I looked at the add sith section - this is not working and appears to have spaces in the variables, which is not valid in any programming language. enterjedi.php appear to action to insertSith.php?

I'm confused by jedisearch.php - I can't find the page that posts to it.

SelectDeleteJedi actions to DeleteSith. Select DeleteSith actions to the right place, but again you have mistyped \$r["SithID"];

You mention validation in your report, but I've looked through all the files and I can't find any?

Overall you've sort of got the gist of what's required, but you need to be more exact in the code. You also need to expand to include areas such as edit and using logins. I can't give you many mark unfortunately as what you do have is largely not working.

8/40

Overall integration of website - not really a website, as pages not linked coherently (eg a navigation bar) and there is no styling etc. 2/15 -

REPORT

Security issues identified 2/15 - A couple talked about briefly. You could look at some of the issues I covered in class eg SQL Injection, Spambots, adding SSL etc.

Consideration of security issues for website 2/15

Overall: as I said above, you have got the gist of some aspects. You will need to rework this assignment to make it into a coherent website with working components. I am happy to meet up to answer any coding issues, you may need to go back and re-watch some of the class videos and look at the handouts also.