

Project Spec

Version 1.0.2

Environment: Shared web server, php 7.2/ 10.3.22-MariaDB-log-ctrl - MariaDB Server

Intro: Have students who need to get homework (this could be watching a YouTube video or read a document etc....) issued to them through a student portal. Version 1 is a simplistic approach with only requirements for four pages. These are

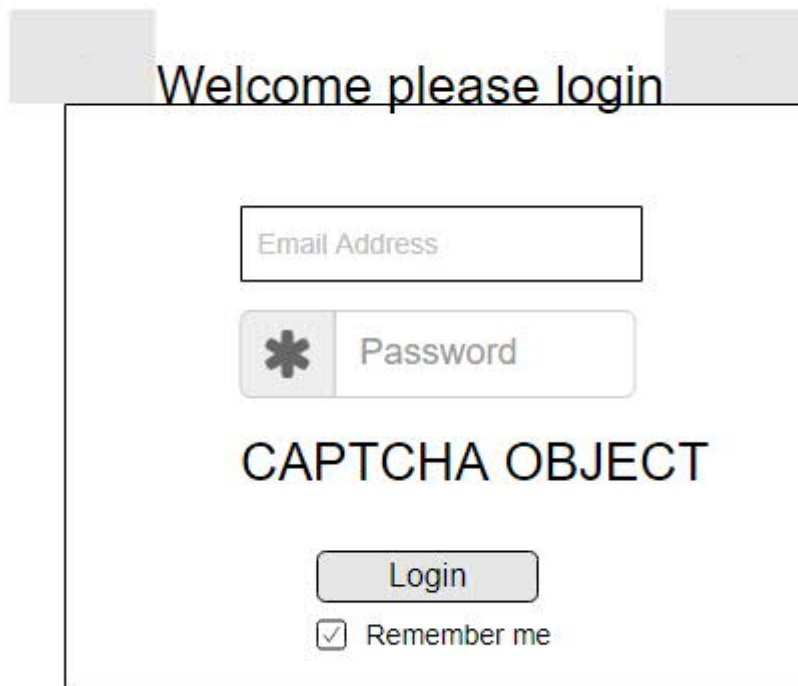
Login page

List home work

Show homework


Add new user and password and modify existing users

Login page



Welcome please login

Email Address

 Password

CAPTCHA OBJECT

Login

☒ Remember me

Objects:

- i. Textbox: Username
- ii. Textbox: Password
- iii. Button: Login
- iv. Captcha check
- v. Remember me checkbox

Button pushed:

check captcha correct

check user name and password valid

if valid go to 2nd list homework

if not valid message on screen "failed to login please check username and password"

List home work

[user admin](#)

Action	Type	Title	Count
View		Macarena youtube test	5
View		Some word doco onedrive	3
View		some pdf doco onedrive	2
View		m4v file on onedrive	3

containing all homework (have to go through login page, can't go directly to this page).

Object: table

Send user_id to sp_homework_list

Response: recordset with homework, recordset fields are (also displayed in this order):

Student_id	Does not need to be in listbox
Homework_id	This is a clickable item in the listbox. Button or hyperlink style heading: Action
Homework_type_id	Shown as a graphic. Heading: Type ¹
Homework_title	Shown in listbox heading: Title
Homework_count	Shown in Listbox heading: Count ²

¹:The field shows a graphic instead of the number. 1 is a graphic of a video, 2 is a graphic of a document. If the Homework_count = 0 then the graphic is a green tick. If the homework_count = -1 then put – in the cell as it is an unlimited viewing

² If the count = 0 then the type cell shows a green tick (as stated in ¹) and also the homework_id is not clickable. I.e. the student can no longer access the content

Also if the sp_auth_user student_access_level = 1 then show the user admin link to the 4th page

Iframe content:

2. The third page contains how the content is to be viewed. Student pushed the homeworkid hyperlink or button and it posts back to php. Php runs stored procedure (sp_show_homework_content) inputting userid and homeworkid output: typeofmedia and the url. Current typeofmedia types are
 - a. Youtube
 - b. Onedrive:
 - i. 3gp
 - ii. M4v
 - iii. Mp4
 - iv. Pdf
 - v. Docx
 - vi. Xls
 - c. Webpage

The content shown should be embedded into this page

User Admin

id	username	password	first_name	lastname	acces_level	student_enable
1	henry	edit	henry	maher	1	1
2	john21	edit	john	smith	0	1
3	peter	edit	peter	something	0	1
4	jan	edit	jan	peters	0	1

Not sure on table type can be used but requirements are that I can edit existing user, including changing the password which will then be stored in the db encrypted, and can add new users. Also the fields need to be sortable.

Miscellaneous thoughts:

All student login accounts to be created through MySQL admin i.e. no need for admin screen yet

All issued homework is through MySQL admin also no need for admin screen yet

Needs to be using current and/or soon to expire technology i.e. can't use flash player

Need to be usable on large desktop, tablet and mobile phone (cell phone)

Code needs to be resilient to SQL injections, bypassing login page etc.

Why go to such an extreme when I could just send details through an email etc.. I want to limit non-students from getting content from students so some of the homework will have a limit i.e. how many times they can push the button to view. Every time your software calls the sp_show_content I will log in db so I can eventually turn the available field to false. Please note that I know it is impossible to stop the users from getting the url but we want to make it as difficult as possible.

Passwords to be stored in bcrypt

Muli language support for latter

Php connection string to be in a separate file and include call used i.e. try to not give out the password

Make it pretty – main theme colours light blue and white, please use css so we can change at a later date.

Preferably to work in php 7.2