

## Task 2 Developing the Solution

In terms of certain rules regulations and requirements, I have taken relevant ones into consideration and now I have designed an application that accommodates many of the requirements I outlined in task 1. It ranges between anything accessibility wise through to non-copyrighted images being used on the website. I have kept colour schemes to black and white with the occasional blue text on forms. This all makes for a professional looking site and easy to read for all users.

When sourcing external links and videos for the further learning resources I made sure that the sites they navigated too were entirely trusted and not in any way malicious or misleading. The sites were strictly educational – some with some fun learning and others straight to the point. This gives the users an extra tool in case they want to learn more externally to GibJohn Tutoring.

When coding my digital application, I used bootstrap and Blade Templating (Laravel). To make this happen I used XAMPP – this is a very clever application that has a php server and database built into it – and many other features (which I will talk about later on). Lots of bootstrap is entirely public and opensource however whenever I took a code snippet from a website, I have made sure to reference them to give them the credit and validate for the purpose of the exam to show that I have used sources. We were given full internet access so there is no reason why this should not be allowed providing I reference the relevant sites/sources. And this is what programming and coding is all about, collaborating and coding by using different and sometimes pre coded code to help you along.

I have used three / four Languages including HTML, CSS, PHP and an occasional bit of JavaScript to create both the frontend and backend to my GibJohn digital solution.

All Images used are entirely in line with ethical and legal guidelines and regulations – completely diverse and fits in with today's societal expectations.

### Prototype for the proposed solution

GibJohn Tutoring has secured a new contract with my company to develop a digital solution to implement onto an already existing digital system. GibJohn Tutoring already offers face to face tutoring sessions, access to learning resources and support to develop understanding in different subjects of Education.

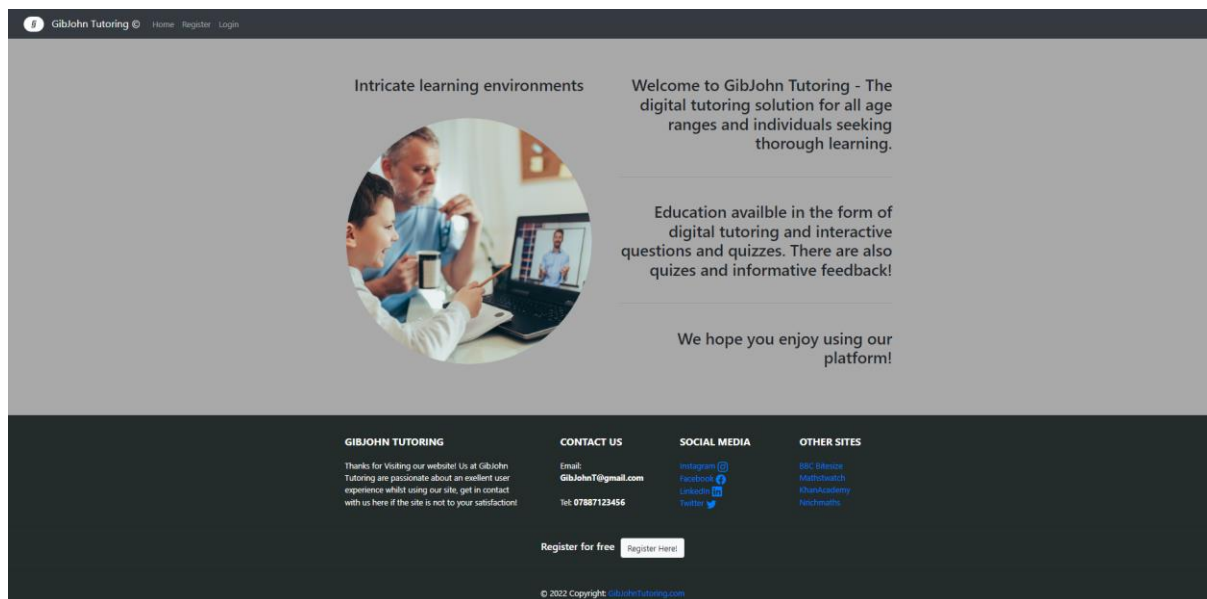
GibJohn Tutoring's requirements for us was as follows:

- Provide interactive teaching and learning resources in a range of subjects.
- Provide digital access to content to encourage wider learning.
- Support Assessment and monitoring of learner progress.

GibJohn also had some recommendations based off their own independent market research. This included:

- Collaborative teaching and learning tools.
- Accessibility features to support a wide range of users.
- A learning reward system
- Gamified learning.

## Homepage



I have gone for a very simplistic homepage that is easy to look at with a little bit of information about the site. In the footer below you can see a description of GibJohn Tutoring, links to social media and external websites, contact information, copyrighted site and a register here button.

All the homepage is doing is welcoming users to the website and giving them a general bit of information about the site.

## Register Screen (Option)

The screenshot shows a web page with a dark header bar containing the logo and navigation links: Home, Register, and Login. The main content area is a light grey rectangle. In the center, there is a white box titled "Select an account". Inside this box, there are two buttons: "Learner" and "Tutor". Below these buttons, there is a link that says "Have an account already? [Login here](#)".

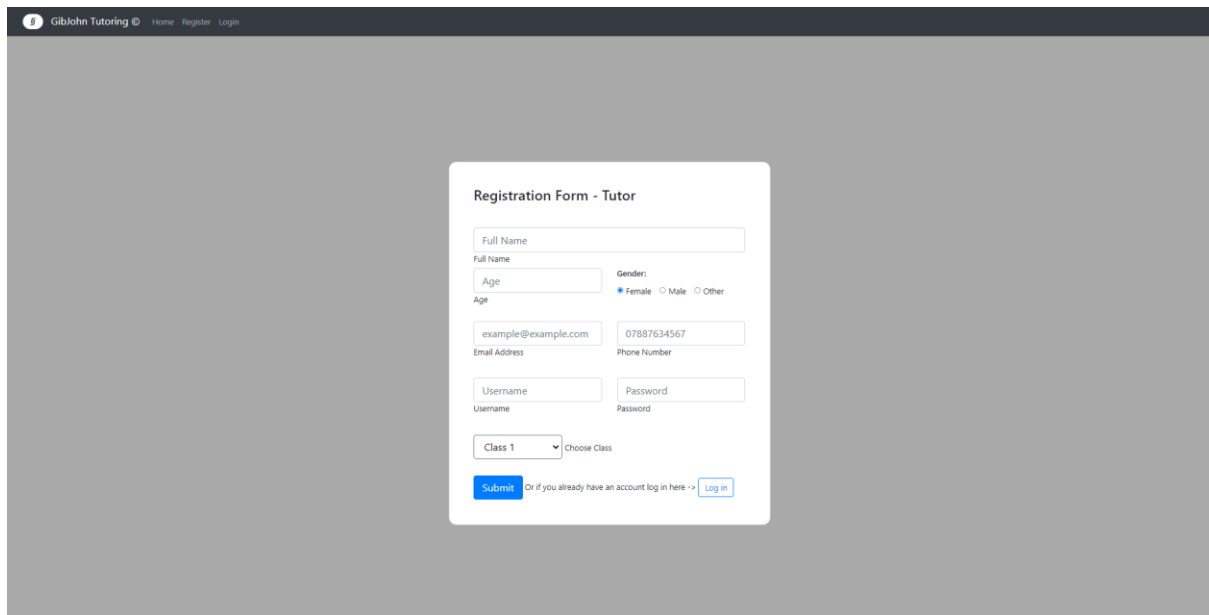
This is the register screen in which the users can choose either a Tutor or learner account to register as and if they already have an account it will redirect to the login option screen. Both tutor and learner option screens are the same in layout and simplistic design. However Just noticing now that the grey text is hard to read however is completely readable when you are on the page itself.

## Register Form Learner

The screenshot shows a web page with a dark header bar containing the logo and navigation links: Home, Register, and Login. The main content area is a light grey rectangle. In the center, there is a white box titled "Registration Form - Learner". Inside this box, there are several input fields: "Full Name", "Age", "Gender" (with radio buttons for Female, Male, and Other), "Email Address", "Phone Number", "Username", and "Password". There is also a dropdown menu for "Class" with "Class 1" selected. At the bottom of the form, there is a blue "Submit" button and a link that says "Or if you already have an account log in here -> [Log in](#)".

This is the register form for a learner, as you can see it asks for all relevant fields and the most important one the class. This determines the content they see. All their details are sent POST to a MYSQL Database and stored ready to login. Once the user has clicked submit then they are redirected to the login screen (Learner).

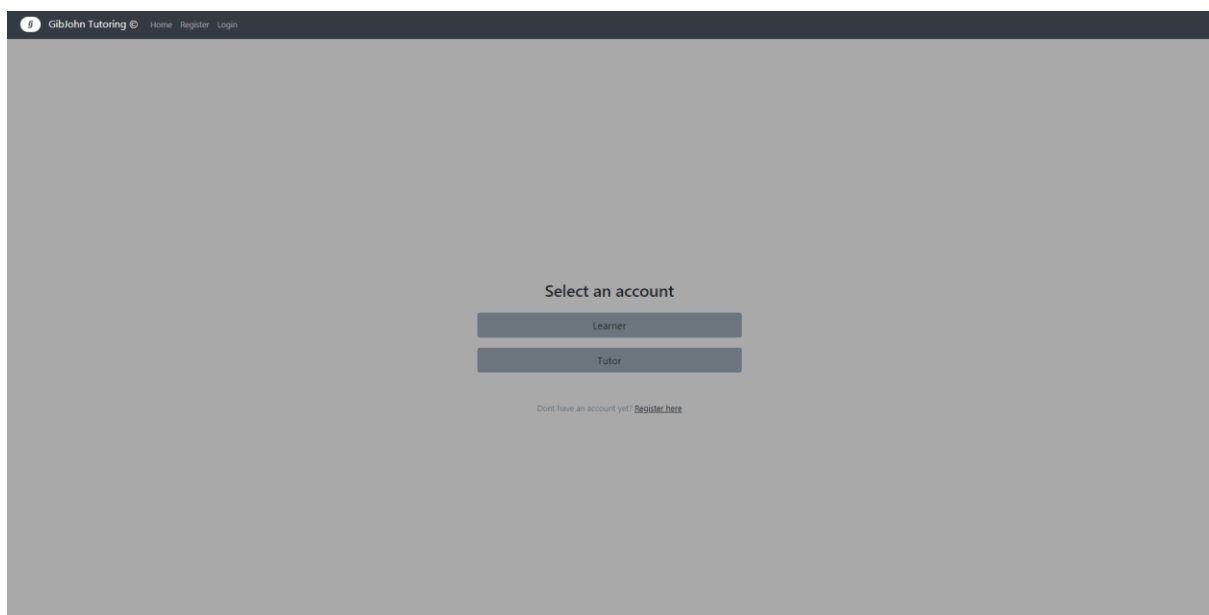
## Register Form Tutor



The image shows a web application interface for a registration form titled "Registration Form - Tutor". The form is centered on a light gray background. At the top, there is a dark header bar with the text "GibJohn Tutoring ©" and links for "Home", "Register", and "Login". The form itself is a white box with a title "Registration Form - Tutor". It contains several input fields: "Full Name" (a single line), "Age" (a single line), "Email Address" (a single line with the placeholder "example@example.com"), "Phone Number" (a single line with the placeholder "07887634567"), "Username" (a single line), and "Password" (a single line). There is also a "Gender" section with radio buttons for "Female", "Male", and "Other". A dropdown menu for "Class" is set to "Class 1" with a "Choose Class" label. At the bottom of the form, there is a blue "Submit" button and a link that says "Or if you already have an account log in here -> Log in".

This is the register form for a learner, as you can see it asks for all relevant fields and the most important one the class. This determines the content they see. All their details are sent to a MYSQL Database and stored ready to login. Once the user has clicked submit then they are redirected to the login screen (Learner)

### Login Screen (Option)



The image shows a web application interface for a login screen titled "Select an account". The screen has a light gray background. At the top, there is a dark header bar with the text "GibJohn Tutoring ©" and links for "Home", "Register", and "Login". In the center, there are two dark gray buttons labeled "Learner" and "Tutor". Below these buttons, there is a link that says "Don't have an account yet? Register here".

This is the login option screen that asks the user to login with either a learner or a tutor account. Once the users have registered the system redirects them to the relevant forms depending on their tutor or learner login. There is an option to register below if the user hasn't created an account.

### Login Learner

The screenshot shows a web browser window with a dark header bar containing the text "GibJohn Tutoring ©" and navigation links "Home", "Register", and "Login". The main content area has a light gray background. In the center, there is a white rectangular form titled "Login - Learner". The form contains two input fields: "Username" and "Password". Below these fields is a blue button labeled "Login". At the bottom of the form, there is a link that says "Dont have an account yet? [Register here](#)".

This is the form in which a user can login as a learner and navigate further into the site itself. When the button is clicked the data is checked against the learners' registered details and a match is either made or not. IF it is the learner is redirected to the learner information/user data page. If not, it directs to error pages.


## Login Tutor

The screenshot shows a web browser window with a dark header bar containing the text "GibJohn Tutoring ©" and navigation links "Home", "Register", and "Login". The main content area has a light gray background. In the center, there is a white rectangular form titled "Login - Tutor". The form contains two input fields: "Username" and "Password". Below these fields is a blue button labeled "Login". At the bottom of the form, there is a link that says "Dont have an account yet? [Register here](#)".

This is the form in which a user can login as a learner and navigate further into the site itself. When the button is clicked the data is checked against the learners' registered details and a match is either made or not. IF it is the learner is redirected to the learner information/user data page. If not, it directs to error pages.

## Learner Details

GibJohn Tutoring ©
Home
Register
Logout



**test**  
GibJohn Tutoring Learner

Username	test
Full Name	test
Age	23
Gender	female
Email	test@test.com
Phone Number	234736726
Password	test
Class	1

Go to your Learner Dashboard

**Courses Status**

Maths	
English	
Science	
Computing	
Software Development	

**Quiz Results**

Web Design	
Website Markup	
One Page	
Mobile Template	
Backend API	

**GIBJOHN TUTORING**  
 Thanks for Visiting our website! Us at GibJohn Tutoring are passionate about an excellent user experience whilst using our site, get in contact with us here if the site is not to your satisfaction!

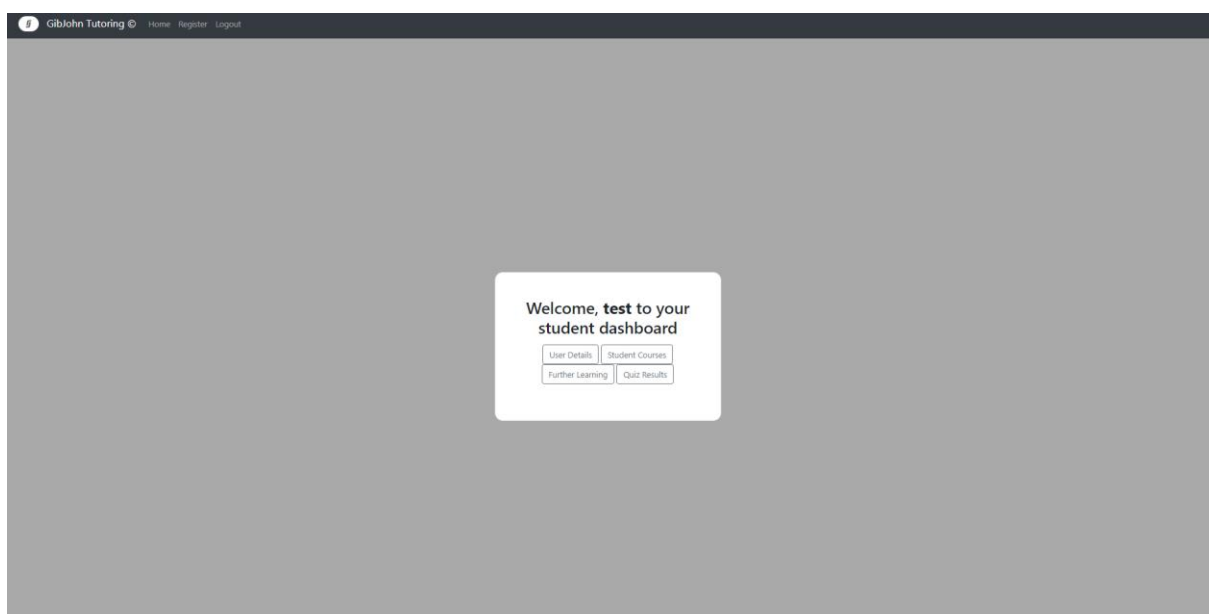
**CONTACT US**  
 Email: [GibJohnT@gmail.com](mailto:GibJohnT@gmail.com)  
 Tel: 07887123456

**SOCIAL MEDIA**  
[Instagram](#)  
[Facebook](#)  
[LinkedIn](#)  
[Twitter](#)

**OTHER SITES**  
[BBC Bitesize](#)  
[MathsWatch](#)  
[KhanAcademy](#)  
[Khanmads](#)

This is the learner details page. As the name implies it displays all the user details, however I did plan on having them editable however it was a very complicated process that unfortunately did not work out in time so if there was another iteration of this digital solution it would be implemented in. The user details are queried in the database and drawn out via the user ID of the session that is created once the user is logged in. The picture image is of a male, and it does not change depending on the gender which again would be something I would add to the next iteration of this digital solution. The 2 progress boxes are just there to give an indication of progress made- however they do not provide relevant data as they are just hard coded and the progress bars in the actual quiz results and student progress will be produced from values in the database. I would implement these 2 progress boxes with real data in the next version of the application.

## Learner Dashboard



This is just the central navigation point for the user (learner) to gain access to different parts of the webpage. The Session learner name is used to personalise the page slightly. The 4 pages, user details, courses, quiz results and further learning are all separate webpages. I have used bootstrap buttons with <A> tags to make the 4 buttons that continue the greyscale theme and when hovered over go a darker grey.

GibJohn Tutoring
Home
Register
Login




test2

GibJohn Tutoring Learner

Go To your Learner Dashboard

### Maths - Unit A2

Standard Form - Standard form, or standard index form, is a system of writing numbers which can be particularly useful for working with very large or very small numbers. It is based on using powers of 10 to express how big or small a number is.



Watch on  YouTube

Scientists use standard form when working with the speed of light and distances between galaxies, which can be enormous. The size of bacteria or atoms may also be referred to in standard form as they are so tiny. Standard form is also sometimes referred to as scientific notation.

SRC: BBC Bitesize - YouTube

**GIBJOHN TUTORING**




Thanks for Visiting our website! Us at GibJohn Tutoring are passionate about an excellent user experience whilst using our site, get in contact with us here if the site is not to your satisfaction!

**CONTACT US**

Email: [GibJohnT@gmail.com](mailto:GibJohnT@gmail.com)

Tel: 07887123456

**SOCIAL MEDIA**

 Instagram  
 Facebook  
 LinkedIn  
 Twitter


**OTHER SITES**

[BBC Bitesize](#)  
[KhanAcademy](#)  
[MathsWatch](#)  
[KhanAcademy](#)  
[KhanAcademy](#)

Register for free
Register Here

© 2022 Copyright [GibJohnTutoring.com](http://GibJohnTutoring.com)

GibJohn Tutoring
Home
Register
Login




test3


GibJohn Tutoring Learner

Go To your Learner Dashboard

### Maths - Unit A3

Understanding Credit



Watch on  YouTube

Wages are paid by an employer to their staff in return for work. Wages are usually paid weekly or monthly. They are either calculated on a rate of pay per hour or as an annual salary. In Britain, people should be paid at least the minimum wage rate set by the government. The value of the minimum wage varies depending on whether the person working is an apprentice, under the age of 18, or an adult. If a person earns £5.32 and works 10 hours per week, they would earn £53.20.

**GIBJOHN TUTORING**





Thanks for Visiting our website! Us at GibJohn Tutoring are passionate about an excellent user experience whilst using our site, get in contact with us here if the site is not to your satisfaction!

**CONTACT US**

Email: [GibJohnT@gmail.com](mailto:GibJohnT@gmail.com)

Tel: 07887123456

**SOCIAL MEDIA**

 Instagram  
 Facebook  
 LinkedIn  
 Twitter

**OTHER SITES**

[BBC Bitesize](#)  
[KhanAcademy](#)  
[MathsWatch](#)  
[KhanAcademy](#)  
[KhanAcademy](#)

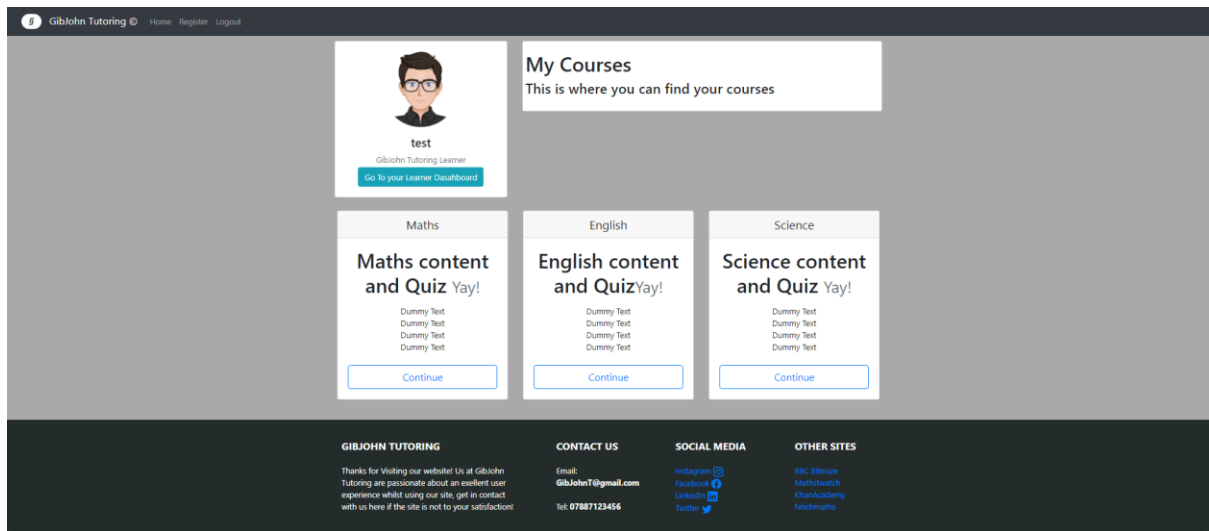
Register for free
Register Here

© 2022 Copyright [GibJohnTutoring.com](http://GibJohnTutoring.com)

These are the 3 maths pages that I have hard coded and all using blade templating to make my code more efficient and easier. Here is a screenshot of how the system displays the correct content depending on the learner's class.

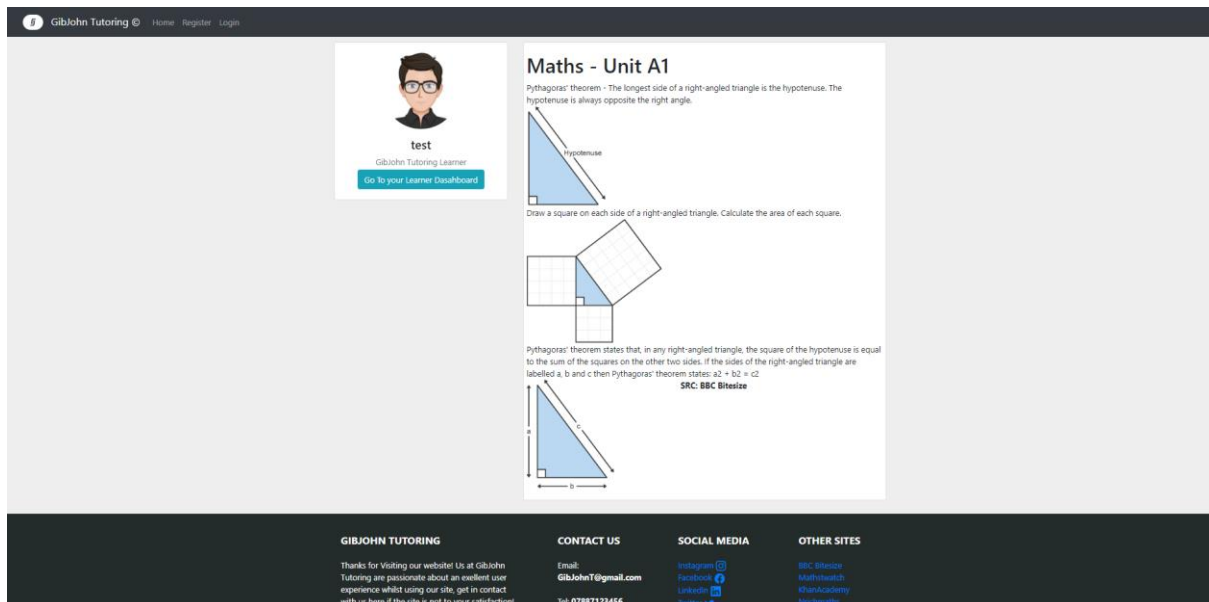
## Learner Courses






This is the learner courses page. I have included maths English and science as courses and depending on the class of either 1,2,3 the user gets presented with different content for maths, English and science. This is a bootstrap template and I used it due to its simplicity yet professional looking layout. The buttons navigate to a redirect page for each and depending on the learner's class they go to different content pages (as mentioned above). The next few screenshots are of three content pages for each subject – one for each class selected on the register form. These follow with the current colour scheme and is not horribly contrasting to the grey background colour. You can visibly see and make out what each element of the page is about. It follows a Z pattern and is slightly different to my initial thought of the courses page.


### Learner Courses Maths 1,2,3 (Classes 1,2,3)



## Further Learning Resources (Learner and Tutor page)

 GibJohn Tutoring © [Home](#) [Register](#) [Login](#)


### Further Learning Resources





test


GibJohn Tutoring Learner


[Go To your Learner Dasahboard](#)

[BBC Bitesize](#) 

[Khan Academy](#)  Khan Academy

[MathsWatch](#)  MathsWatch

[Nrich Maths](#) 

Video 1:  [Watch Later](#) [Share](#)

This page is where learners can find links to external sources (sites and videos) in order to progress with their learning. This is obviously entirely changeable – all the links can be edited, and things can be deleted/added. If there was a version 2 of the software, I may personalise the further learning for each student. The example above had hyperlinks and videos embedded into the content.

```

php > mathredirect.php
1  <?php
2  // We need to use sessions, so you should always start sessions using the below code.
3  session_start();
4  // If the user is not logged in redirect to the login page...
5  if (!isset($_SESSION['loggedin'])) {
6      //header('Location: index.html');
7      exit;
8  }
9
10 $servername = "localhost";
11 $username = "root";
12 $password = "";
13 $dbname = "tlevelexam";
14
15
16 //this is the database connection method using the variables defined above.
17 $conn = mysqli_connect($servername, $username, $password, $dbname)
18     or die("Connection Failed");
19 $query = mysqli_query ($conn, 'SELECT * FROM registered_learners');
20
21
22 //this is a query in which I used to get the LearnerID out of, so I can assign it to a variable and it can be used in other queries as shown below.
23
24 $query1 = mysqli_query($conn, 'SELECT * FROM registered_learners WHERE LearnerUsername like "%'. $_SESSION['name'] . '%'');
25 $roww = mysqli_fetch_array($query1);
26 $id = $roww["LearnerID"];
27
28 //this query below grabs the learner class depending on the learnerID from the $id Learner Id assigned above.
29
30 $query = mysqli_query($conn, 'SELECT LearnerClass FROM registered_learners WHERE LearnerID like "%'. $id . '%'');
31 $row = mysqli_fetch_array($query);
32 if ($row) {
33
34     print($row['LearnerClass']);
35     $lc = $row["LearnerClass"];
36     //learnerclass is now assigned $lc
37 } else {
38     print("NOT FOUND");
39 }

```

You will possibly notice that I used "" marks around the numbers and that is because for some unknown reason integers wouldn't be picked up in the queries above and varchar (string) values were being picked up. The LIKE % \$variable % worked only with strings when the values were compared within the database, so I set the data type to varchar (255).

```

41 // this is the actual logic behind it - just if and elseif statements.
42 if($lc == "1"){
43     header("Location:/Projects/Blade-test/test_BladeOne/BladeOne/maths1learner.php");
44 } else if($lc == "2") {
45     header("Location:/Projects/Blade-test/test_BladeOne/BladeOne/maths2learner.php");
46 } else {
47     header("Location:/Projects/Blade-test/test_BladeOne/BladeOne/maths3learner.php");
48 }

```

The actual logic is this code ^ here. It is just going through and checking the learner class of 1,2,3 against the variable learner lass set and then redirecting to the correct webpage corresponding to the outcome of the sequence. This is the maths redirect. Below is a picture of the actual code for the maths1learner page.

This is a screenshot of the Maths 1 learner view.

```
Views > math1learner.blade.php
1 <?php
2 // We need to use sessions, so you should always start sessions using the below code.
3 session_start();
4 // If the user is not logged in redirect to the login page...
5 if (!isset($_SESSION['loggedin'])) {
6     //header('Location: index.html');
7     exit;
8 }
9 >?
10 <!-- this is the template part that extends that app.blade.php ( index basically, but mine is app instead ) -->
11 @extends('app')
12
13 @section('content')
14 <!-- This is the content part and this bit changes for each page. All content is between this section and @endsection. -->
15
16
17 <div class="container">
18     <div class="main-body">
19         <div class="padding">
20             <div class="row gutters-sm">
21                 <div class="col-md-4 mb-3">
22                     <div class="card">
23                         <div class="card-body">
24                             <div class="d-flex flex-column align-items-center text-center">
25                                 
26                                 <div class="mt-3">
27                                     <h4>{{$_SESSION['name']}}</h4>
28                                     <p class="text-secondary mb-1">GibJohn Tutoring Learner</p>
29                                     <a class="btn btn-info" target="__blank" href="learnerdashboard.php">Go To your Learner Dashboard</a>
30                                 </div>
31                             </div>
32                         </div>
33                     </div>
34                 </div>
35                 <div class="col-md-8">
36                     <div class="card mb-3">
37                         <div class="card-body">
38                             <div class="row">
39                                 <h1>Maths - Unit A1</h1>
40                                 Pythagoras' theorem -
41                                 The longest side of a right-angled triangle is the hypotenuse. The hypotenuse is always opposite the right angle.
42                                 
43                                 Draw a square on each side of a right-angled triangle. Calculate the area of each square.
44                                 
45                                 Pythagoras' theorem states that, in any right-angled triangle, the square of the hypotenuse is equal to the sum of the squares on the other two sides.
46                                 If the sides of the right-angled triangle are labelled a, b and c then Pythagoras' theorem states:  $a^2 + b^2 = c^2$ 
47                                 
48
49                                 <strong>SRC: BBC Bitesize</strong>
50                             </div>
51                         </div>
52                     </div>
53                 </div>
54             </div>
55         </div>
56     </div>
57 </div>
58
59 <!-- This is all the html for the bootstrap template. This is Maths 1 Unit A1. -->
60
61
62 @endsection
```

This is using blade templating which really speeds up pages, makes them more consistent and looks a lot more professional. There is much less code required as you don't have to copy over all the headers and footers and different elements from your main webpage. For my app page (which acts as the main template for the content pages) I have made it so there is a header section, a content section and a footer section which automatically clone across when you type @extends('app') @section('content') and @endsection and the extends app extends both header and footer onto the page and the content is changeable. This took a bit of time to set up as you must install Blade One through GitHub over a file destination. With the blade templates you have a views folder which is where the live pages are, and you also need to write this section of code for each view and change the filename so blade can process and run the webpage. If this is not done blade has no source to run the webpage and does not pick it up.

BLADEONE

cache

css

docs

examples

lib

php

tests

views

.gitattributes

.gitignore

app.php

bbcbitesizefurtherlearning.PNG

BladeOneCache.md

maths1learner.php

1

<?php

2

3

include '../BladeOne/lib/BladeOne.php';

4

use eftec\bladeone\BladeOne;

5

\$views = \_\_DIR\_\_ . '/views';

6

\$cache = \_\_DIR\_\_ . '/cache';

7

\$blade = new BladeOne(\$views,\$cache,BladeOne::MODE\_DEBUG);

8

echo \$blade->run("maths1learner");

9

10

11

12

This is how blade creates the html and prints out the webpage in the views folder. Its variables can be stored and outputted here.

## Learner Courses English 1,2,3 (Classes 1,2,3)

GibJohn Tutoring ©

Home

Register

Login

test

GibJohn Tutoring Learner

Go To your Learner Dashboard

English - Unit A1

Critical essay - Analysis in critical reading The following is a mind map charting areas for analysis in critical reading.

Characterisation

Setting

Plot

Narrative

Theme

Language

Structure

Critical Reading

Themes

Theme is not a technique as such, but rather the central idea or ideas explored and developed in the text. Most texts will explore more than one theme, although they might not all be as significant as each other. Themes are developed through techniques. For example, the themes explored in Macbeth include guilt, order/disorder and false appearance. Plot refers to the deliberate sequencing of events in the text while the 'story' is simply an account of what happens. Writers may play about with time scales, so a plot sequence may not be chronological (as it happens in real time). You should always ask yourself why a writer might have structured a story in sections. How does it add to your understanding of the story or themes? Part of good storytelling is ensuring readers want to find out what happens next. Writers use different devices to maintain the reader's focus and attention.

SRC: BBC Bitesize

GIBJOHN TUTORING

Thanks for Visiting our website! Us at GibJohn Tutoring are passionate about an excellent user experience whilst using our site, get in contact with us here if the site is not to your satisfaction!

CONTACT US

Email: GibJohnT@gmail.com

Tel: 07887123456

SOCIAL MEDIA

Instagram

Facebook

LinkedIn

Twitter


OTHER SITES

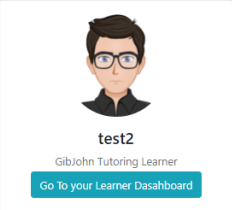
BBC Bitesize

Mathswatch

KhanAcademy

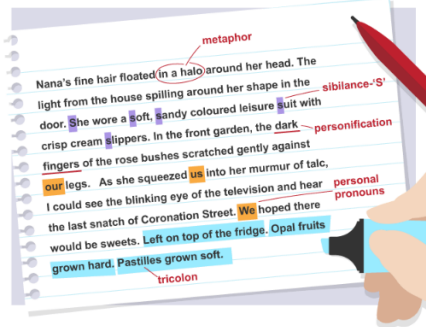
Nrichmaths


[GibJohn Tutoring ©](#)
[Home](#)
[Register](#)
[Login](#)




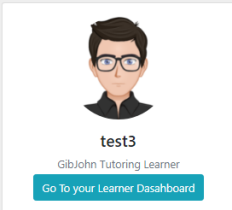
## English Unit - A2

Annotating texts- Annotating is a useful way to keep a track of what you notice while you're reading – the notes and marks you make can focus on particular details in the text. For example, if you were focusing on setting, you could circle all the words and phrases used to describe that place. There are many ways to annotate texts. Try out different approaches to see what works best for you. Examples of common techniques include: circling or underlining words or phrases that are interesting or important and writing notes in the margin using different coloured highlighters to pick out different ideas, techniques or details using one margin to make a note of literary devices and the other margin to add your own responses. Closely annotating texts is an effective way to practise analysing a piece of fiction. However, in exam conditions, annotations need to be brief and a quick way of responding to a new text. You can use your annotations to pick out details from the text and then develop your analysis of these details in your written response.




SRC: BBC Bitesize


[GibJohn Tutoring ©](#)
[Home](#)
[Register](#)
[Login](#)



## English - Unit A3

Purpose and audience When we talk about the purpose of a text, we are talking about what the writer wants to achieve. Writers use language and structural features to deliberately appeal to their intended audience.



Think TAP. A writer has an aim when writing a text - they want to have an effect on their reader. A text can have many purposes. Some examples are to: entertain – to amuse the reader or make them enjoy reading the text persuade – to influence the viewpoint of the reader - these texts may be biased advise – to help people decide what to do - these texts may give ideas and options analyse – to break down something to help people to understand it better argue – to make the case for something - these texts may be one-sided describe – to give precise details about a person, place, object or experience explain – to make clear 'how' and 'why' something works or happens in a certain way inform – to tell a reader about something they don't know, or add to their knowledge instruct – to tell a reader how to do something, ordered step-by-step

SRC: BBC Bitesize

**GIBJOHN TUTORING**  
 Thanks for Visiting our website! Us at GibJohn Tutoring are passionate about an excellent user experience whilst using our site, get in contact with us here if the site is not to your satisfaction!


**CONTACT US**  
 Email:  
[GibJohnT@gmail.com](mailto:GibJohnT@gmail.com)  
 Tel: 07887123456

**SOCIAL MEDIA**  
[Instagram](#)  
[Facebook](#)  
[LinkedIn](#)  
[Twitter](#)

**OTHER SITES**  
[BBC Bitesize](#)  
[Mathswatch](#)  
[KhanAcademy](#)  
[Nrichmaths](#)

These are the 3 English content pages for the different learners. They are hard coded and are sourced from BBC Bitesize. They are all templated off the 'app' as I have named it. There is not much to add about these pages they are relatively basic and are quite self-explanatory.

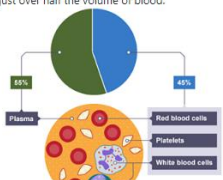
## Learner Courses Science 1,2,3 (Classes 1,2,3)



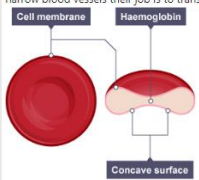
**test**  
GibJohn Tutoring Learner  
[Go To your Learner Dasahboard](#)

### Science - Unit A1


Blood transports materials and heat around the body and helps to protect against disease. It contains: plasma red blood cells white blood cells platelets Plasma is a straw-coloured liquid that makes up just over half the volume of blood.



Red Blood Cells - contain haemoglobin - a red protein that combines with oxygen they have no nucleus so they can contain more haemoglobin small and flexible so that they can fit through narrow blood vessels their job is to transport oxygen.



**SRC: BBC Bitesize**



**test2**  
GibJohn Tutoring Learner  
[Go To your Learner Dasahboard](#)

### Science - Unit A2

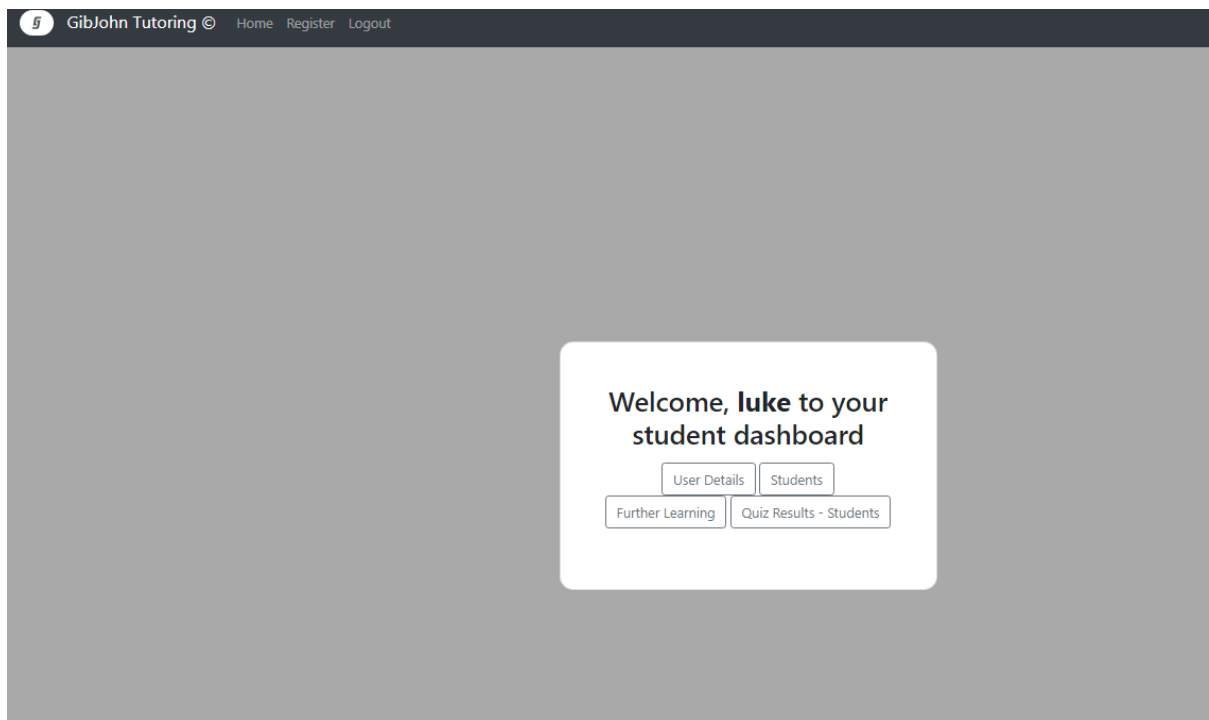
Mendeleev's periodic table Early attempts to classify elements Before discovering protons, neutrons and electrons, scientists tried to classify the elements by arranging them in order of their atomic weights. The atomic weight of an element is equivalent to what we now call its relative atomic mass. Early periodic tables were incomplete, since many elements were unknown. Also, some elements were placed in groups with elements that were not similar to them. Dmitri Mendeleev Dmitri Mendeleev was a Russian chemist. He wrote chemistry books and was looking for ways to organise the known elements. He published his first periodic table of the elements in 1869. In it, he arranged the elements in order of increasing atomic weights. He also took into account the properties of the elements and their compounds. This meant that his table had gaps in it showed elements with similar chemical properties lined up in groups However, from their atomic weights, some pairs of elements next to each other were in the wrong order. Predictions using gaps Mendeleev left gaps in his table for elements not known at the time. By looking at the properties of the elements next to a gap, he could also predict the properties of these undiscovered elements. For example, Mendeleev predicted the existence of 'eka-silicon', which would fit into a gap below silicon. Another scientist later discovered the missing element, germanium. Its properties were found to be similar to the predicted ones and confirmed Mendeleev's periodic table.

| Row | Groups |    |     |    |    |    |     |                |
|-----|--------|----|-----|----|----|----|-----|----------------|
|     | I      | II | III | IV | V  | VI | VII | VIII           |
| 1   | H      | -  | -   | -  | -  | -  | -   | -              |
| 2   | Li     | Be | B   | C  | N  | O  | F   | -              |
| 3   | Na     | Mg | Al  | Si | P  | S  | Cl  | -              |
| 4   | K      | Ca | ?   | Ti | V  | Cr | Mn  | Fe, Co, Ni, Cu |
| 5   | (Cu)   | Zn | ?   | ?  | As | Se | Br  | -              |
| 6   | Rb     | Sr | Yt  | Zr | Nb | Mo | ?   | Ru, Rh, Pd, Ag |





## Tutor Dashboard



This is the tutor dashboard – it contains: user details, further learning and quiz results. The students and students quiz results have not been fully programmed yet. The quiz system is explained later in the document, but I can get the results out of the database and display them with progress bars, and I can do this for both learner and tutor views, however I have not managed to implement a quiz system that records and sends learner quiz results to the database. If there was a version 2 this would be implemented and have this functionality.

### Learner Quizzes and progress.

I had planned to make a quiz at the end of each resource/content piece for the learners however I have run out of time due to fixing and figuring out other programming errors. I have developed along with research a way that results are drawn out of the database and shown in a progress bar in a table. This is a snippet of an example – It is missing the tutor session and bootstrap template as I was only trying to show you that I had tried to make something that supported and recorded student progress. The code and images for reference is shown below.

Showing rows 0 - 2 (3 total, Query took 0.0002 seconds)

SELECT \* FROM `registered\_learners`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

|   | LearnerID | LearnerFullname     | LearnerDateOfBirth | LearnerGender | LearnerEmail     | LearnerPhoneNumber | LearnerUsername | LearnerPassword | LearnerClass |
|---|-----------|---------------------|--------------------|---------------|------------------|--------------------|-----------------|-----------------|--------------|
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | 1         | testregisterlearner | 11                 | female        | testlearner@test | 213454353          | testlearner     | testlearner     | 2            |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | 2         | test2               | 32                 | male          | test2@test.com   | 93425834           | test2           | test2           | 2            |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | 3         | test3               | 23                 | male          | test3@test.com   | 7873242            | test3           | test3           | 1            |

GibJohn Tutoring Home Register Login

| Name                | Subject | % complete |
|---------------------|---------|------------|
| test2               | english | 32%        |
| test3               | Science | 67%        |
| test3               | Science | 89%        |
| testregisterlearner | maths   | 45%        |

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: Name

+ Options

|   | Quiz_ID | Learner_ID | Quiz_Description | Quiz_Score |
|---|---------|------------|------------------|------------|
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | 1       | 1          | maths            | 45%        |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | 2       | 2          | english          | 32%        |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | 3       | 3          | Science          | 67%        |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | 4       | 3          | Science          | 89%        |

```
$sql = "
SELECT
registered_tutors.TutorID, registered_tutors.TutorFullname, registered_learners.LearnerFullname, quiz_results.Quiz_Description, quiz_results.Quiz_Score
from
registered_tutors
left join registered_learners on registered_learners.LearnerClass
left join quiz_results on quiz_results.Learner_ID = registered_learners.LearnerID
where
registered_tutors.TutorID = 1

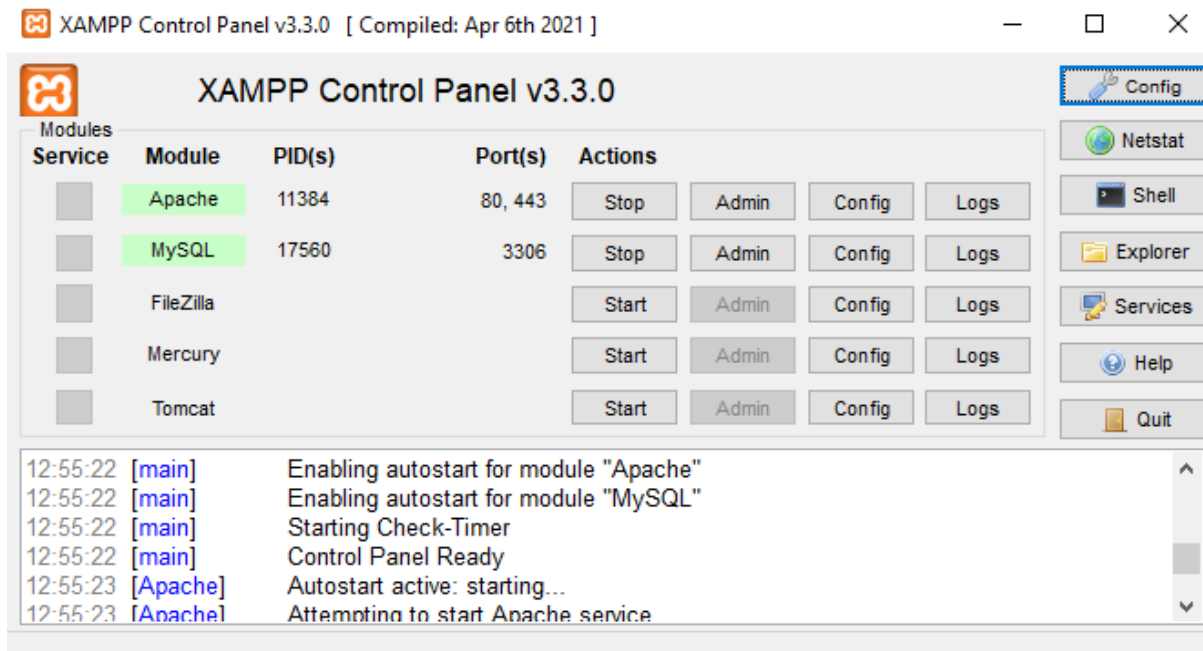
order by registered_learners.LearnerFullname;

";
```

This Query joins 2 tables together the registered learners and the quiz results by the learner's class and learner ID. The table it makes is ordered by the learner's name alphabetically. As you can see an example of the learner id that was joined - 2 quizzes with ids 3 and 4 both appearing for science with 67% and 89% have the same learner ID of 3 so learner 3 did two quizzes. And the learners 1 and 2 only did 1 quiz each.

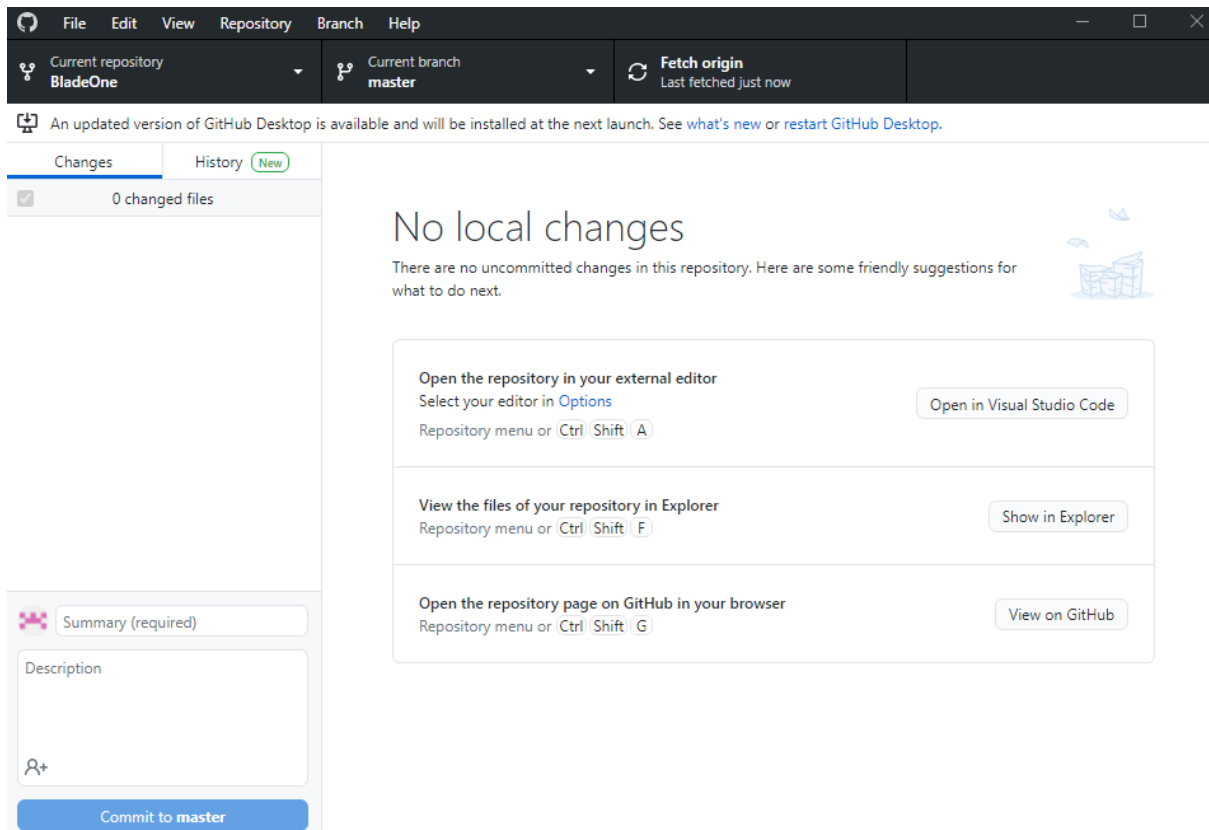
So, this code works, I just need to add a quiz system – like the register system – that takes data and posts them to the database. Then the results can be requested and viewed by both learner and tutor

Xampp



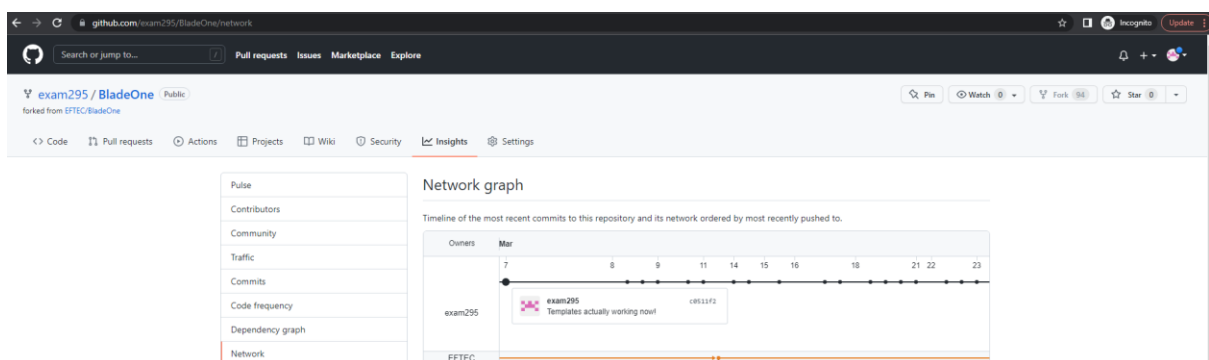
Xampp is a cross platform application that includes a range of software like: Apache, MYSQL, PHP Servers, and Perl. In simple terms it's a local (APACHE) web server on the computer its running on. I used Xampp due to its simplicity and high-quality performance at running back-end processes. The php and Apache server all interlink so you have a MYSQL Database that interlinks with the webserver, enabling me to write php and it be interpreted through Apache and if needed to perform operations with and within the MYSQL (phpMyAdmin) Database. Xampp was very easy to setup – just install and start up....

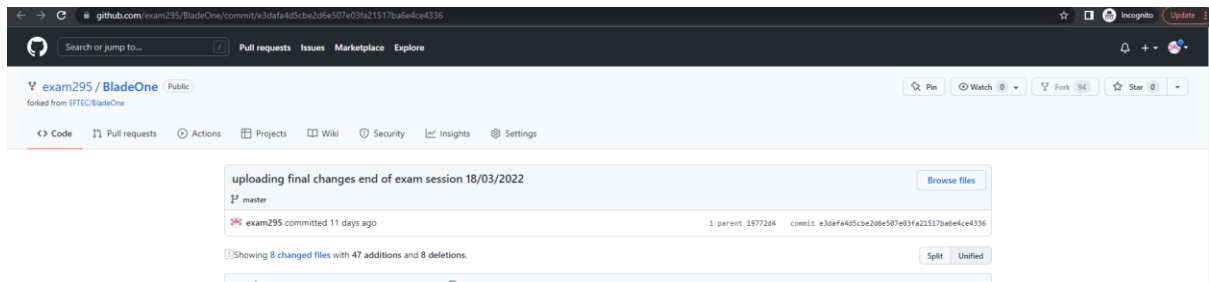
[GitHub + GitHub Desktop](#)



I used GitHub as it was a very efficient code hosting service and it allowed me to manage my commits and have full version control access to my development at any point during the journey.

I can view the entire commit history and see the changes I have made and progressed with through out the course of the past 4 weeks. The network graph would look more interesting that just 1 commit after another if I changed to another branch instead of master however, I only needed 1 branch for this exam.





Just an example image of one of the commits I did – 8 changed files with 47 additions and 8 deletions. If I was to scroll all the way down, you would see the full extend of file changes and code changes line for line.

## Bootstrap



I have used plenty of bootstrap throughout my development as it is well designed and has plenty of predefined templates and classes that are all open source and ready to be customised. All the templates look very professional, and with minimal styling code. Bootstrap Grid systems are well designed and laid out. Much easier than CSS grid systems.

Other Website Sources Used throughout this project.

| Source Name          | Source Description  | Source Link  |
|----------------------|---|--|
| Bootstrap Footer     | This is where I got inspiration for my bootstrap footer.  | <a href="https://mdbootstrap.com/docs/b4/jquery/navigation/footer/">https://mdbootstrap.com/docs/b4/jquery/navigation/footer/</a>  |
| Bootstrap Icons      | This is where I got my social media icons from.   | <a href="https://icons.getbootstrap.com/">https://icons.getbootstrap.com/</a>  |
| Bootstrap Buttons    | This is where I used code to get bootstrap buttons from.  | <a href="https://getbootstrap.com/docs/4.0/components/buttons/">https://getbootstrap.com/docs/4.0/components/buttons/</a>  |
| Login System         | This is where I used some sections of code and edited it personally to work with my database and table names. | <a href="https://codeshack.io/secure-login-system-php-mysql/">https://codeshack.io/secure-login-system-php-mysql/</a>  |
| Bootstrap Forms      | These sites are where I looked to gain more information on bootstrap forms.                                   | <a href="https://getbootstrap.com/docs/4.6/components/forms/">https://getbootstrap.com/docs/4.6/components/forms/</a><br><a href="https://getbootstrap.com/docs/5.0/forms/overview/">https://getbootstrap.com/docs/5.0/forms/overview/</a> |
| Bootstrap Navigation | This I where I got inspiration from for my bootstrap navigation bar.  | <a href="https://www.w3schools.com/bootstrap5/bootstrap_navbar.php">https://www.w3schools.com/bootstrap5/bootstrap_navbar.php</a>  |
| Hex Colour CSS       | This Is a tool I used to get the colours for my website   | <a href="https://www.color-hex.com/color/232b2b">https://www.color-hex.com/color/232b2b</a>  |

## Testing

I am aware there is a testing test log template we can use; however, I have used my own template as I believe it includes what the Pearson testing template has and a bit more detail. I have included image evidence for all the tests that require it.

### Testing Plans

| Test Ref. | Type of Test    | Purpose of Test  | Expected Outcome   | Test Data   |
|-----------|-----------------|--|--|---|
| 1         | Functional test | To test if the application takes in all the register data and records it in the Database (Learner) | On click of the submit button the data is posted to the database and the user is redirected to the login page. | Form Data:<br>LearnerFullname,<br>LearnerDateOfBirth,<br>LearnerGender,<br>LearnerEmail,<br>LearnerPhoneNumber,<br>LearnerUsername,<br>LearnerPassword,<br>LearnerClass |

| Test Ref. | Type of Test    | Purpose of Test  | Expected Outcome   | Test Data   |
|-----------|-----------------|--|--|---|
| 2         | Functional test | To test if the application takes in all the register data and records it in the Database (Learner) | On click of the submit button the data is posted to the database and the user is redirected to the login page. | <p>Form Data:</p> <pre> LearnerFullname, LearnerDateOfBirth, LearnerGender, LearnerEmail, LearnerPhoneNumber, LearnerUsername, LearnerPassword, LearnerClass </pre> |



| Test Ref. | Type of Test    | Purpose of Test  | Expected Outcome  | Test Data  |
|-----------|-----------------|--|---|--|
| 3         | Functional test | To test if program can login a user that has signed up (Learner) | Login details compared to ones in the database already. | Form Data:<br>LearnerUsername,<br>LearnerPassword. |

| Test Ref. | Type of Test    | Purpose of Test   | Expected Outcome   | Test Data  |
|-----------|-----------------|---|--|--|
| 4         | Functional test | To test if program can login a user that has signed up (Learner). | Login details should be compared to the ones in the database already and login if details correct. | Form Data:<br>LearnerUsername,<br>LearnerPassword. |

| Test Ref. | Type of Test    | Purpose of Test  | Expected Outcome  | Test Data  |
|-----------|-----------------|--|---|--|
| 5         | Functional Test | To test what the application does when incorrect data is submitted in the login page (learner + tutor) | IT should navigate to an error page informing the user of what they need to do. | Form Data:<br>LearnerUsername,<br>LearnerPassword. |

| Test Ref. | Type of Test    | Purpose of Test  | Expected Outcome  | Test Data  |
|-----------|-----------------|--|---|--|
| 6         | Functional test | To test if the session is around on all of the pages once logged in. | I have included session start () at the top of my document on all relevant pages after login so it should be there. | Check all pages for a visible session and its relevant data (f12 and check network cookie/session area). |

| Test Ref. | Type of Test    | Purpose of Test  | Expected Outcome   | Test Data  |
|-----------|-----------------|--|--|--|
| 7         | Functional test | To test if the correct data is displayed for the user logged in (Learner). | The session started should provide enough information for the queries I have written to draw the correct data out for each user. | Form Data:<br>LearnerUsername,<br>LearnerPassword. |

| Test Ref. | Type of Test    | Purpose of Test  | Expected Outcome   | Test Data  |
|-----------|-----------------|--|--|--|
| 8         | Functional Test | To test if the correct data is displayed for the user logged in (Tutor). | The session started should provide enough information for the queries I have written to draw the correct data out for each user. | Form Data:<br>LearnerUsername,<br>LearnerPassword. |

| Test Ref. | Type of Test    | Purpose of Test   | Expected Outcome  | Test Data  |
|-----------|-----------------|---|---|--|
| 9         | Functional Test | Learner Courses are different depending on the class value. (Checking the logical operation). | IF a learner class is 1 then they see A1 content, IF a learner class is 2 they see A2 Content, IF a learner class is 3 they can see A3. | Learner Class and the if statement in the maths, English and science redirect pages. |

| Test Ref. | Type of Test    | Purpose of Test  | Expected Outcome   | Test Data   |
|-----------|-----------------|--|--|-------------|
| 10        | Functional Test | Test if the progress bar values on the tutor view of students are drawing in the correct values. | The progress bars will use values from the database and will represent 1 student each. They are in a table, so the student and progress bar are in the same row. | Quiz Result |



| Test Ref. | Type of Test    | Purpose of Test                                       | Expected Outcome                  | Test Data                                   |
|-----------|-----------------|---|-----------------------------------|---|
| 11        | Functional Test | Test incorrect or missing data in the register forms. | Should redirect to an error page. | Email – ed.com (no@)<br>Age – eeeee<br>Etc. |

| Test Ref. | Type of Test               | Purpose of Test                                    | Expected Outcome  | Test Data |
|-----------|----------------------------|--|---|-----------|
| 12        | Usability – non functional | An easy-to-use program that is fast and efficient. | Should be useable and very quick. /Responsive as it is not a large program that uses lots of resources. | N/A       |

| Test Ref. | Type of Test   | Purpose of Test  | Expected Outcome  | Test Data |
|-----------|----------------|--|---|-----------|
| 13        | Non-Functional | The program should have a professional looking interface that follows good user interface and experience principles. | The interface is greyscale which should be readable for most users and the user interface should keep a consistent format across all the pages. Templating will help with this. | N/A       |

| Test Ref. | Type of Test | Purpose of Test   | Expected Outcome   | Test Data |
|-----------|--------------|---|--|-----------|
| 14        | Functional   | To test if the application can be used the same on mobile devices and smaller devices than the average 24-inch computer screen. | The bootstrap should automatically size adjust depending on the size. Not entirely sure of what every page will look like. | N/A       |

| Test Ref. | Type of Test | Purpose of Test   | Expected Outcome  | Test Data   |
|-----------|--------------|---|---|---|
| 15        | Functional   | Test if the applications templates work and extend the different relevant sections. | The templates should be filled with header footer and content sections. Non views can generate html and the echo just prints out the webpages in views. | @extends('app')<br>@section('content')<br>@endsection |

## Testing Logs

|                                  |   |                 |    |               |            |
|----------------------------------|---|-----------------|----|---------------|------------|
| Test Reference:                  | 1   | Name of Tester: | Ed | Date of Test: | 29/03/2022 |
| Purpose of Test:                 | To test if the application takes in all the register data and records it in the Database (Learner)  |                 |    |               |            |
| Test Type:                       | Functional TEST   |                 |    |               |            |
| Test Data:                       | Form Data: LearnerFullname, LearnerDateOfBirth, LearnerGender, LearnerEmail, LearnerPhoneNumber, LearnerUsername, LearnerPassword, LearnerClass |                 |    |               |            |
| Expected Outcome:                | On click of the submit button the data is posted to the database and the user is redirected to the login page.                                  |                 |    |               |            |
| Actual Outcome:                  | As Expected.  |                 |    |               |            |
| Pass/Fail/Skipped:               | PASS  |                 |    |               |            |
| Comments and/or Recommendations: | N/A   |                 |    |               |            |

### Evidence:

The screenshot shows a web browser window with the URL `localhost/Projects/Blade-test/test/BladeOne/BladeOne/registerpagelearner.php`. The page displays a registration form for a learner. The form is titled "Registration Form - Learner" and contains the following fields and values:

- Full Name: TestRegistrationLearner
- Gender: Male (selected)
- Age: 101
- Email Address: testlearner@test.com
- Phone Number: 12345678
- Username: testlearner
- Password: testlearner
- Class: Class 2 (selected)

A "Submit" button is located at the bottom of the form. Below the form, there is a status bar showing the following information:

- TestRegistrationLearner 101
- male
- testlearner@test.com 12345678
- testlearner
- testlearner
- 2

|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 2  | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | To test if the application takes in all the register data and records it in the Database (Tutor)   |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional test  |                        |    |                      |            |
| <b>Test Data:</b>                       | Form Data: <a href="#">LearnerFullname</a> , <a href="#">LearnerDateOfBirth</a> , <a href="#">LearnerGender</a> , <a href="#">LearnerEmail</a> , <a href="#">LearnerPhoneNumber</a> , <a href="#">LearnerUsername</a> , <a href="#">LearnerPassword</a> , <a href="#">LearnerClass</a> |                        |    |                      |            |
| <b>Expected Outcome:</b>                | On click of the submit button the data is posted to the database and the user is redirected to the login page.   |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | As Expected.   |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | PASS   |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> | N/A  |                        |    |                      |            |

#### Evidence:

← → ↻ 📄 localhost/Projects/Blade-test/test\_BladeOne/BladeOne/registerpagetutor.php

GibJohn Tutoring © Home Register Login

### Registration Form - Tutor

testregistrationtutor  
Full Name

11  
Age

Gender:  
☐ Female 
 ☐ Male 
 ☒ Other

testtutor@test.com  
Email Address

13245678  
Phone Number

testtutor  
Username

.....  
Password

Class 3 Choose Class

[Submit](#) Or if you already have an account log in here -> [Log in](#)

Edit

Copy

Delete

6

testregistrationtutor 11

other

testtutor@test.com

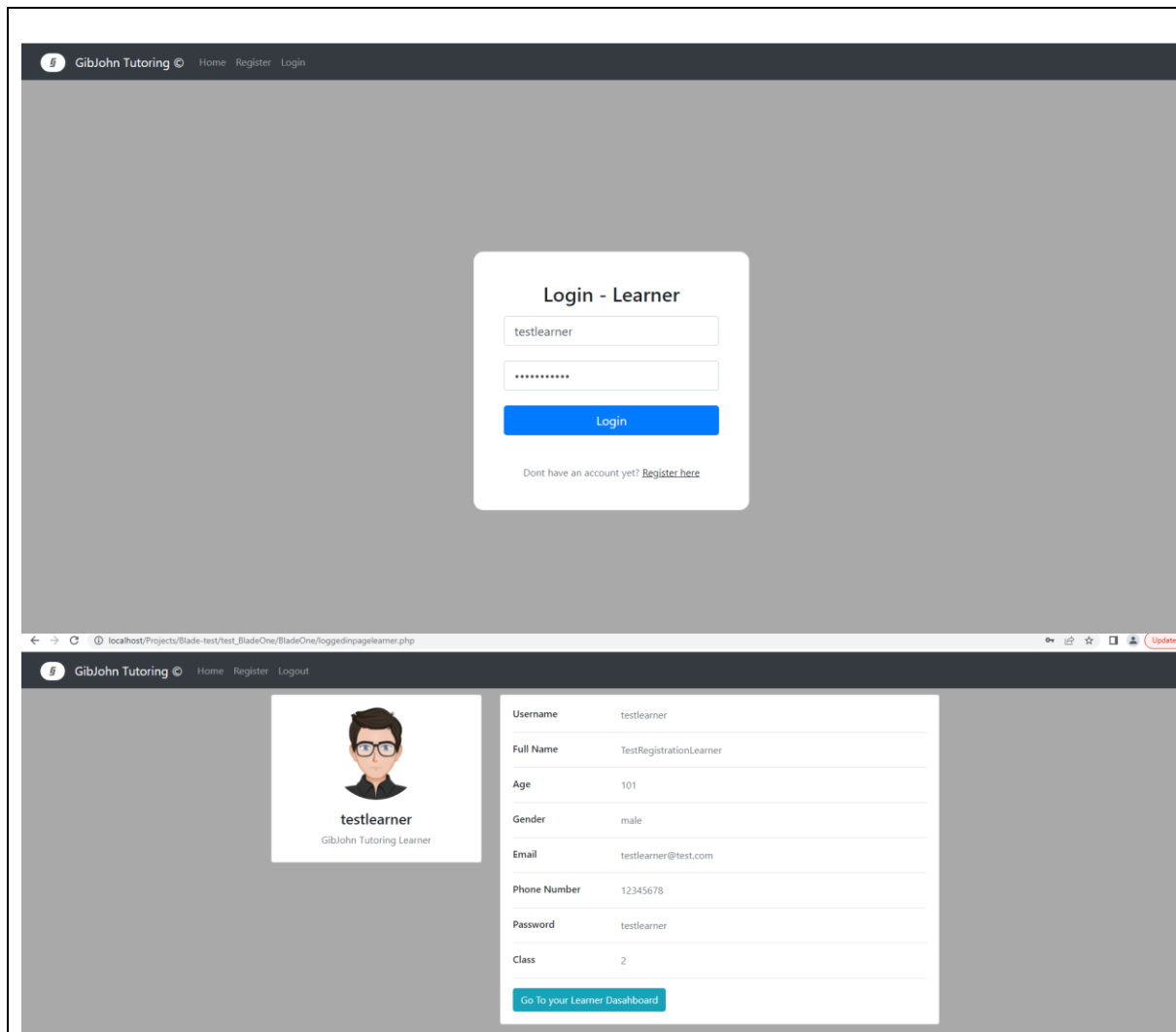
12345678

testtutor

testtutor

3

|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 3  | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | To test if program can login a user that has signed up (Learner)                 |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional test  |                        |    |                      |            |
| <b>Test Data:</b>                       | Form Data: <code>LearnerUsername</code> , <code>LearnerPassword</code> .         |                        |    |                      |            |
| <b>Expected Outcome:</b>                | Login details compared to ones in the database already and the user is logged in |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | As Expected – All works.   |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | PASS   |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> |  |                        |    |                      |            |
| <b>Evidence:</b>                        |  |                        |    |                      |            |





|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 4  | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | To test if program can login a user that has signed up (Tutor).                                    |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional   |                        |    |                      |            |
| <b>Test Data:</b>                       | Form Data: <a href="#">LearnerUsername</a> , <a href="#">LearnerPassword</a> .                     |                        |    |                      |            |
| <b>Expected Outcome:</b>                | Login details should be compared to the ones in the database already and login if details correct. |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | As Expected – all working  |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | <b>PASS</b>  |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> | N/A  |                        |    |                      |            |

#### Evidence:

The screenshot shows two parts of the GibJohn Tutoring application. The top part is the login page, titled 'Login - Tutor', with input fields for 'testtutor' and a masked password, and a blue 'Login' button. Below the button is a link to 'Register here'. The bottom part is the user dashboard for 'testtutor', showing a profile card with a cartoon avatar and a list of user details: Username (testtutor), Full Name (testregistrationtutor), Age (11), Gender (other), Email (testtutor@test.com), Phone Number (12345678), Password (testtutor), and Class (3). A 'Go to your Tutor Dashboard' button is at the bottom.

|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 5  | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | To test what the application does when incorrect data is submitted in the login page (learner + tutor)   |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional   |                        |    |                      |            |
| <b>Test Data:</b>                       | Form Data: <code>LearnerUsername</code> , <code>LearnerPassword</code>   |                        |    |                      |            |
| <b>Expected Outcome:</b>                | It should navigate to an error page informing the user of what they need to do.  |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | For the Learner it proceeds to the learner details screen and does not error for some unknown reason. Somehow it logs in. I think the session in this case had not been ended.<br>For the tutor it redirects to a page where it says incorrect name or password. |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | Fail   |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> | Need to end the previous user session and add the redirect to error page for the learner.  |                        |    |                      |            |

#### Evidence:

The evidence consists of two screenshots from a web browser. The first screenshot shows the 'Login - Learner' page with the message 'incorrect data' displayed above the password field. The second screenshot shows the 'testtutor' user profile page, which contains two PHP error messages: 'Notice: Trying to access array offset on value of type null in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\cache\logged\_inpagelearner.blade on line 94' and a similar message on line 95. The profile page also displays user details for 'testtutor' (GibJohn Tutoring Learner) including fields for Full Name, Age, Gender, Email, Phone Number, Password, and Class, along with a 'Go To your Learner Dashboard' button.

localhost/Projects/Blade-test/test\_BladeOne/BladeOne/php/logintutor.php

Incorrect username and/or password!

GibJohn Tutoring © Home Register Login


### Login - Tutor

incorrect

\*\*\*\*\*


Login

Don't have an account yet? [Register here](#)

|   |   |                        |    |                      |            |
|---|---|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 6   | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | To test if the session is around on all of the pages once logged in.  |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional – White Box testing  |                        |    |                      |            |
| <b>Test Data:</b>                       | Check all pages for a visible session and its relevant data (f12 and check network cookie/session area).  |                        |    |                      |            |
| <b>Expected Outcome:</b>                | I have included session start () at the top of my document on all relevant pages after login so it should be there.   |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | The Session is available over all relevant webpages once logged in. This will work wherever Session_start is, up until the session is ended/destroyed.  |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | PASS  |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> | N/A   |                        |    |                      |            |
| <b>Evidence:</b>                        | <pre> if (\$_POST['password'] === \$password) {     // Verification success! User has logged-in!     // Create sessions, so we know the user is logged in,= it acts like cookies but remembers a bit the data on the server.     session_regenerate_id();     \$_SESSION['loggedin'] = TRUE;     \$_SESSION['name'] = \$_POST['username'];     \$_SESSION['id'] = \$id; </pre><br><pre> views &gt; loggedinpagelearner.blade.php 1  &lt;?php 2  // We need to use sessions, so you should always start sessions using th 3  session_start(); 4  // If the user is not logged in redirect to the login page... 5  if (!isset(\$_SESSION['loggedin'])) { 6      //header('Location: index.html'); 7      exit; </pre><br> <p><b>testlearner</b><br/>GibJohn Tutoring Learner</p> |                        |    |                      |            |

|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 7  | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | To test if the correct data is displayed for the user logged in (Learner).   |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional – Whitebox  |                        |    |                      |            |
| <b>Test Data:</b>                       | Form Data: <code>LearnerFullname</code> , <code>LearnerDateOfBirth</code> , <code>LearnerGender</code> , <code>LearnerEmail</code> , <code>LearnerPhoneNumber</code> , <code>LearnerUsername</code> , <code>LearnerPassword</code> , <code>LearnerClass</code> |                        |    |                      |            |
| <b>Expected Outcome:</b>                | The session started should provide enough information for the queries I have written to draw the correct data out for each user.   |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | The correct data for the learner view comes out of the database. I have included an image of the database data and the front end view of the process for for the user.   |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | PASS   |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> |  |                        |    |                      |            |

#### Evidence:



**testlearner**  
GibJohn Tutoring Learner

**Username** testlearner

**Full Name** testregisterlearner

**Age** 11

**Gender** female

**Email** testlearner@test

**Phone Number** 213454353

**Password** testlearner

**Class** 2

Edit

Showing rows 0 - 3 (4 total, Query took 0.0001 seconds.)

```
SELECT * FROM `registered_learners`
```

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]


☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options

|   | LearnerID | LearnerFullname     | LearnerDateOfBirth | LearnerGender | LearnerEmail     | LearnerPhoneNumber | LearnerUsername | LearnerPassword | LearnerClass |
|---|-----------|---------------------|--------------------|---------------|------------------|--------------------|-----------------|-----------------|--------------|
| <input type="checkbox"/> Edit Copy Delete | 7         | testregisterlearner | 11                 | female        | testlearner@test | 213454353          | testlearner     | testlearner     | 2            |

☐ Check all | With selected: Edit Copy Delete Export

|                                  |   |                 |    |               |            |
|----------------------------------|---|-----------------|----|---------------|------------|
| Test Reference:                  | 8   | Name of Tester: | Ed | Date of Test: | 29/03/2022 |
| Purpose of Test:                 | To test if the correct data is displayed for the user logged in (Tutor).  |                 |    |               |            |
| Test Type:                       | Functional - WhiteBox   |                 |    |               |            |
| Test Data:                       | Form Data: LearnerFullname, LearnerDateOfBirth, LearnerGender, LearnerEmail, LearnerPhoneNumber, LearnerUsername, LearnerPassword, LearnerClass   |                 |    |               |            |
| Expected Outcome:                | The session started should provide enough information for the queries I have written to draw the correct data out for each user. Should display all data listed correctly for the user. |                 |    |               |            |
| Actual Outcome:                  | It does as expected - correct data is being drawn out of the database.  |                 |    |               |            |
| Pass/Fail/Skipped:               | PASS  |                 |    |               |            |
| Comments and/or Recommendations: |   |                 |    |               |            |
| Evidence:                        |   |                 |    |               |            |



**testtutor**  
GibJohn Tutoring Tutor

|              |                            |
|--------------|----------------------------|
| Username     | testtutor                  |
| Full Name    | testregistertutor          |
| Age          | 12                         |
| Gender       | male                       |
| Email        | testregistretutor@test.com |
| Phone Number | 324324                     |
| Password     | testtutor                  |
| Class        | 3                          |

Edit

Showing rows 0 - 0 (1 total, Query took 0.0001 seconds.)

SELECT \* FROM `registered\_tutors`

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options


|   | TutorID           | TutorFullname | TutorDateOfBirth | TutorGender                | TutorEmail | TutorPhoneNumber | TutorUsername | TutorPassword | TutorClass |
|---|-------------------|---------------|------------------|----------------------------|------------|------------------|---------------|---------------|------------|
| <input type="checkbox"/> Edit Copy Delete 6 | testregistertutor | 12            | male             | testregistretutor@test.com | 324324     | testtutor        | testtutor     | 3             |            |


|                                  |  |                 |    |               |            |
|----------------------------------|--|-----------------|----|---------------|------------|
| Test Reference:                  | 9  | Name of Tester: | Ed | Date of Test: | 29/03/2022 |
| Purpose of Test:                 | Learner Courses are shown different content depending on the class value. (Checking the logical operation).                              |                 |    |               |            |
| Test Type:                       | Functional – White Box   |                 |    |               |            |
| Test Data:                       | Learner Class and the if statement in the maths, English and science redirect pages.   |                 |    |               |            |
| Expected Outcome:                | If a learner class is 1 then they see A1 content, IF a learner class is 2, they see A2 Content, IF a learner class is 3 they can see A3. |                 |    |               |            |
| Actual Outcome:                  | The content displayed is correct for all learners.   |                 |    |               |            |
| Pass/Fail/Skipped:               | PASS   |                 |    |               |            |
| Comments and/or Recommendations: | If more content is added then you need to make separate redirect pages, with the same logic as the code below.                           |                 |    |               |            |

#### Evidence:

```
// this is the actual logic behind it - just if and elseif statements.
if($lc == "1"){
    header("Location:/Projects/Blade-test/test_BladeOne/BladeOne/maths1learner.php");
} else if($lc == "2") {
    header("Location:/Projects/Blade-test/test_BladeOne/BladeOne/maths2learner.php");
} else {
    header("Location:/Projects/Blade-test/test_BladeOne/BladeOne/maths3learner.php");
}
```

Learner class of 1 sees A1 of courses. This is the same for science and English. The learners see correct content as per their class.


[GibJohn Tutoring ©](#)
[Home](#)
[Register](#)
[Login](#)



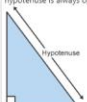
test

GibJohn Tutoring Learner

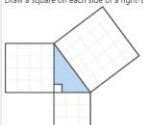
[Go To your Learner Dashboard](#)

### Maths - Unit A1

Pythagoras' theorem - The longest side of a right-angled triangle is the hypotenuse. The hypotenuse is always opposite the right angle.

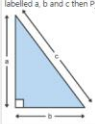


Draw a square on each side of a right-angled triangle. Calculate the area of each square.



Pythagoras' theorem states that, in any right-angled triangle, the square of the hypotenuse is equal to the sum of the squares on the other two sides. If the sides of the right-angled triangle are labelled a, b and c then Pythagoras' theorem states:  $a^2 + b^2 = c^2$

SRC: BBC Bitesize



**GIBJOHN TUTORING**  
Thanks for Visiting our website! Us at GibJohn Tutoring are passionate about an excellent user experience whilst using our site, get in contact with us here if the site is not to your satisfaction

**CONTACT US**  
Email: [GibJohnT@gmail.com](mailto:GibJohnT@gmail.com)  
Tel: 07887123456


**SOCIAL MEDIA**  

[Instagram](#)  
[Facebook](#)  
[LinkedIn](#)  
[Twitter](#)

**OTHER SITES**  

[BBC Bitesize](#)  
[Khan Academy](#)  
[Khan Academy](#)

|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 10   | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | Test if the progress bar values on the tutor view of students are drawing in the correct values.   |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional - Whitebox  |                        |    |                      |            |
| <b>Test Data:</b>                       | Quiz Result  |                        |    |                      |            |
| <b>Expected Outcome:</b>                | The progress bars will use values from the database and will represent 1 student each. They are in a table, so the student and progress bar are in the same row. |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | They do. The table shows all learners and how many quizzes each one did with the progress bars.  |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | PASS   |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> | Could add more data and see how it copes but this is enough to get the gist of it. Also, as this is not a fully coded feature its purely developmental.          |                        |    |                      |            |
| <b>Evidence:</b>                        | <p>student progress. The code and images for reference is shown below.</p>   |                        |    |                      |            |

|  GibJohn Tutoring © <a href="#">Home</a> <a href="#">Register</a> <a href="#">Login</a> |         |            |
|--|---------|------------|
| Name   | Subject | % complete |
| test2  | english | 32%        |
| test3  | Science | 67%        |
| test3  | Science | 60%        |
| testregisterlearner  | maths   | 45%        |



Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT * FROM `registered_learners`
```

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows:  Filter rows:  Sort by key:

+ Options

|   | LearnerID | LearnerFullName     | LearnerDateOfBirth | LearnerGender | LearnerEmail     | LearnerPhoneNumber | LearnerUsername | LearnerPassword | LearnerClass |
|---|-----------|---------------------|--------------------|---------------|------------------|--------------------|-----------------|-----------------|--------------|
| <input type="checkbox"/> Edit  Copy  Delete | 1         | testregisterlearner | 11                 | female        | testlearner@test | 213454353          | testlearner     | testlearner     | 2            |
| <input type="checkbox"/> Edit  Copy  Delete | 2         | test2               | 32                 | male          | test2@test.com   | 93425634           | test2           | test2           | 2            |
| <input type="checkbox"/> Edit  Copy  Delete | 3         | test3               | 23                 | male          | test3@test.com   | 7873242            | test3           | test3           | 1            |

Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

```
SELECT * FROM `quiz_results`
```

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows:  Filter rows:  Sort by key:

+ Options

|   | Quiz_ID | Learner_ID | Quiz_Description | Quiz_Score |
|---|---------|------------|------------------|------------|
| <input type="checkbox"/> Edit  Copy  Delete | 1       | 1          | maths            | 45%        |
| <input type="checkbox"/> Edit  Copy  Delete | 2       | 2          | english          | 32%        |
| <input type="checkbox"/> Edit  Copy  Delete | 3       | 3          | Science          | 67%        |
| <input type="checkbox"/> Edit  Copy  Delete | 4       | 3          | Science          | 89%        |

|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 11   | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 02/02/2022 |
| <b>Purpose of Test:</b>                 | Test incorrect or missing data in the register forms.  |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional - Whitebox  |                        |    |                      |            |
| <b>Test Data:</b>                       | Email – ed.com (no@)<br>Age – e  |                        |    |                      |            |
| <b>Expected Outcome:</b>                | Should redirect to an error page.  |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | Works correctly, outputs a relevant message and the program does not crash etc. It's a built in pre-programmed response – really efficient as the form will not submit until at least the age and email address are validated. |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | <b>PASS</b>  |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> | For the next version I would program in red outlines on fields that remain empty and make it impossible for the form to submit until data is filled in.  |                        |    |                      |            |

#### Evidence:

GibJohn Tutoring © Home Register Login

### Registration Form - Tutor

ed

Full Name

e

Age

Gender:

☒ Female ☐ Male ☐ Other

ed.com

Email Address

e

Phone Number

Username

Username

Password

Password

Class 1 Choose Class

Submit Or if you already have an account log in here -> Log in

## Registration Form - Tutor

Full Name

Gender:

☒ Female ☐ Male ☐ Other

Age



Please enter a number.

Email Address

Phone Number

Username

Password



Choose Class

**Submit**

Or if you already have an account log in here ->

[Log in](#)

## Registration Form - Tutor

Full Name

Age

Gender:

☒ Female ☐ Male ☐ Other



Please include an '@' in the email address. 'ed.com' is missing an '@'.

Number

Username

Password



Choose Class

Submit

Or if you already have an account log in here ->

Log in

|                                  |  |                 |    |               |            |
|----------------------------------|--|-----------------|----|---------------|------------|
| Test Reference:                  | 12   | Name of Tester: | Ed | Date of Test: | 29/03/2022 |
| Purpose of Test:                 | An easy-to-use program that is fast and efficient.   |                 |    |               |            |
| Test Type:                       | Usability, non-functional - Blackbox   |                 |    |               |            |
| Test Data:                       | N/A  |                 |    |               |            |
| Expected Outcome:                | Should be useable and very quick. /Responsive as it is not a large program that uses lots of resources.  |                 |    |               |            |
| Actual Outcome:                  | Application responds very quickly and with no delay – this is probably because its runoff my own Apache web server and not open to the world wide web – it may run differently outside of my testing environment. You can test this by getting an accurate testing model of the live environment and seeing how it works, sadly I don’t have access to those facilities. |                 |    |               |            |
| Pass/Fail/Skipped:               | PASS   |                 |    |               |            |
| Comments and/or Recommendations: | This is a usability test so for me it may be acceptable, however it may fail in someone else’s opinion.  |                 |    |               |            |
| Evidence:                        |  |                 |    |               |            |
| N/A                              |  |                 |    |               |            |

|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 13   | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | The program should have a professional looking interface that follows good user interface and experience principles.   |                        |    |                      |            |
| <b>Test Type:</b>                       | Non-functional – Usability Black Box.  |                        |    |                      |            |
| <b>Test Data:</b>                       | N/A  |                        |    |                      |            |
| <b>Expected Outcome:</b>                | The interface is greyscale which should be readable for most users and the user interface should keep a consistent format across all the pages. Templating will help with this.      |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | The colour scheme and interface remain consistent across all webpages, with the user interface following either the Z or F pattern.  |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | PASS   |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> | This is a usability test so for me it may be acceptable, however it may fail in someone else's opinion. This is a non-functional requirement that will differ from person to person. |                        |    |                      |            |
| <b>Evidence:</b>                        |  |                        |    |                      |            |



testtutor

GibJohn Tutoring Tutor

Username testtutor

Full Name testregistrationtutor

Age 11

Gender other

Email testtutor@test.com

Phone Number 12345678

Password testtutor

Class 3

[Go to your Tutor Dashboard](#)

[assignment](#) Project Status

Web Design

Website Medium

[assignment](#) Project Status

Web Design

Website Medium



test

GibJohn Tutoring Learner

[Go To your Learner Dasahboard](#)

## My Courses

This is where you can find your courses

Maths

Maths content  
and Quiz Yay!

Dummy Text  
Dummy Text  
Dummy Text  
Dummy Text

[Continue](#)

English

English content  
and Quiz Yay!

Dummy Text  
Dummy Text  
Dummy Text  
Dummy Text

[Continue](#)

Science

Science content  
and Quiz Yay!

Dummy Text  
Dummy Text  
Dummy Text  
Dummy Text


[Continue](#)





|   |  |                        |    |                      |            |
|---|--|------------------------|----|----------------------|------------|
| <b>Test Reference:</b>                  | 15   | <b>Name of Tester:</b> | Ed | <b>Date of Test:</b> | 29/03/2022 |
| <b>Purpose of Test:</b>                 | Test if the applications templates work and extend the different relevant sections.  |                        |    |                      |            |
| <b>Test Type:</b>                       | Functional   |                        |    |                      |            |
| <b>Test Data:</b>                       | @extends('app')<br>@section('content')<br>@endsection  |                        |    |                      |            |
| <b>Expected Outcome:</b>                | The templates should be filled with header footer and content sections. Non views can generate html and the echo just prints out the webpages in views.            |                        |    |                      |            |
| <b>Actual Outcome:</b>                  | The templates work – This is due to Blade which has been useful for me through this entire project. It was tough to set up, but once its working its very helpful. |                        |    |                      |            |
| <b>Pass/Fail/Skipped:</b>               | PASS   |                        |    |                      |            |
| <b>Comments and/or Recommendations:</b> |  |                        |    |                      |            |





#### Evidence:


GibJohn Tutoring ©
Home
Register
Login

## This is some content in between the navigation bar and footer

**GIBJOHN TUTORING**  
 Thanks for Visiting our website! Us at GibJohn Tutoring are passionate about an excellent user experience whilst using our site, get in contact with us here if the site is not to your satisfaction!

**CONTACT US**  
 Email:  
**GibJohnT@gmail.com**  
 Tel: **07887123456**

**SOCIAL MEDIA**  
 Instagram   
 Facebook   
 LinkedIn   
 Twitter 

**OTHER SITES**  
 BBC Bitesize  
 Mathstwatch  
 KhanAcademy  
 Nrichmaths

Register for free
Register Here!

© 2022 Copyright: GibJohnTutoring.com

```

1  @extends('app')
2
3
4
5  @section('content')
6
7  <h1> This is some content in between the navigation bar and footer </h1>
8
9  @endsection

```

```

@section('sidebar')
<nav class="navbar navbar-expand-sm navbar-dark bg-dark">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">
      
    </a>
    <a class="navbar-brand" href="javascript:void(0)">GibJohn Tutoring &copy;</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#mynavbar">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="mynavbar">
      <ul class="navbar-nav me-auto">
        <li class="nav-item">
          <a class="nav-link" href="test.php">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="registerpage.php">Register</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="loginpage.php">Login</a>
        </li>
      </ul>
    </div>
  </div>
</nav>

@show

@yield('content')

@section('footer')

```

## Testing Evaluation

### Fitness-for-purpose of the program

The application is not fit for purpose due to it not meeting all required requirements on the specification, also when including the fact that the application did not pass all tests which were based off the user requirements. Certain aspects of the program were not even coded/implemented, which shows that it needs some more development time to get the entire application working at a basic level with all options functional. At that point it would be tested and should pass the tests that failed for me when I tested. I have tried my best to develop the application within the 30-hour time period, however, there have always been errors and setbacks. I have explained why required aspects have unfortunately not been included. All websites have been referenced.

### Recommendations with justification

Some things I picked up on were not major fails or an easy pass. The application either worked or it did not. Some could be improved upon.

Some examples:

- Test Reference 12 and 13 – These are both non-functional usability tests which mean that they are opinion based and most likely are slightly biased as I'm testing something I have developed. If another user was to test the application, they will probably have a different opinion to mine.

### Change Request evaluation

I did not feel the need to carry out change requests as I am not going to be producing a second version. I have explained when and where I would have implemented missing content.

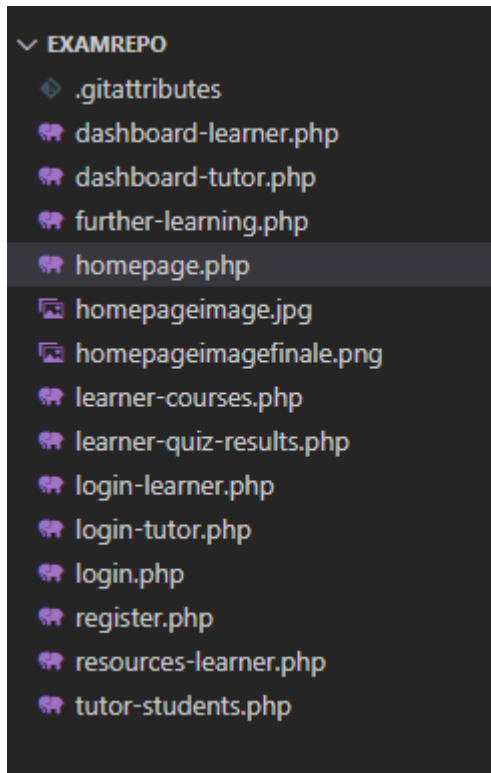
### Overall testing evaluation

I think I tested everything at an acceptable level and did my best. However, I should have gone into more detail in certain parts. However, I did test the entirety of what I had produced with both white and black box testing. This as a bare minimum either makes an application fit for purpose or not. This testing phase concluded that the application overall is not fit for purpose and requires more attention in order to pass and become fit for purpose.

## Development Log

### Exam Session 1 – 07/03/2022

Started a GitHub repository and added all the relevant pages for the moment.



There are the beginnings of a homepage for the website with a navigation bar and some bootstrap images and formatting of the website.

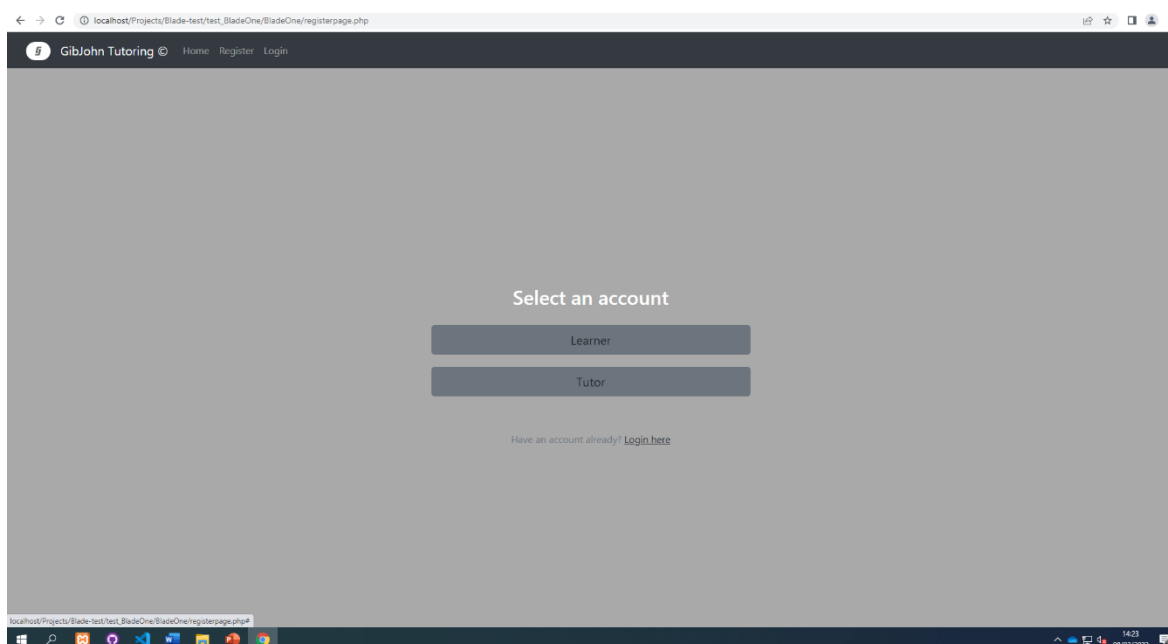
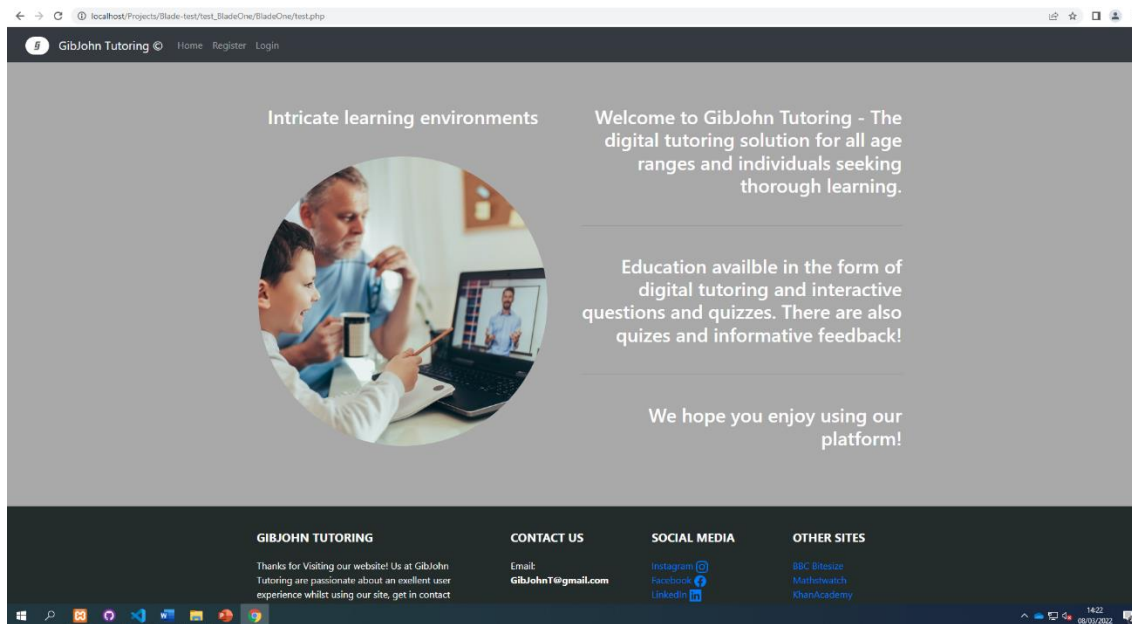
I had a go at getting blade templating to work however I hit a speed bump and decided to move on. I will aim to get templates working fully by the end of next session, and then the real coding can begin.

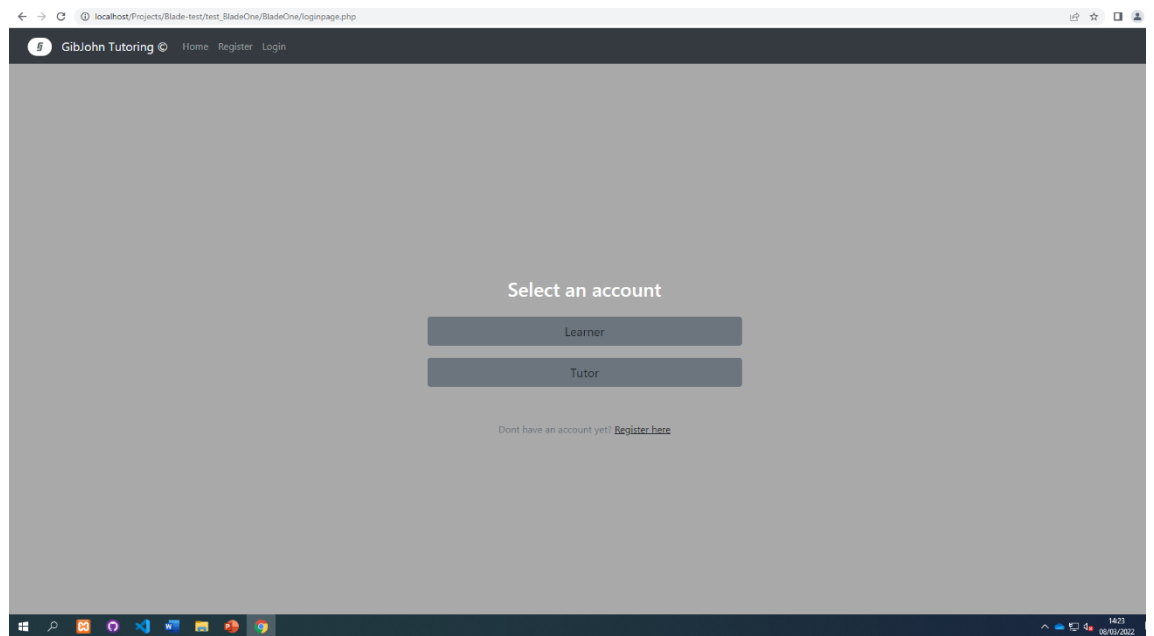
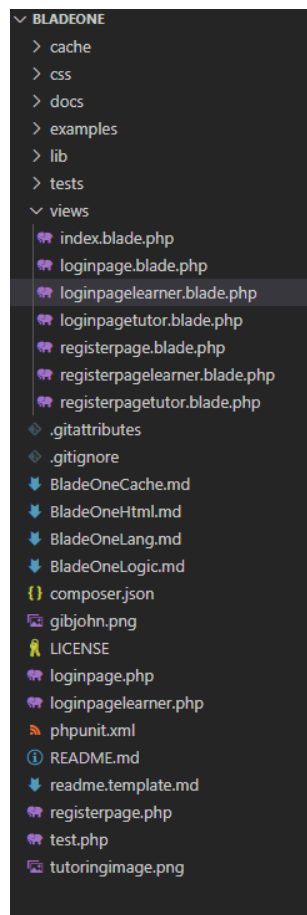
### Exam session 2 - 07/03/2022

Blade Templates working now, all sorted – now I just need to copy across all my webpages. Started to research and find some good bootstrap templates and formats.

## Exam Session 3 – 08/03/2022

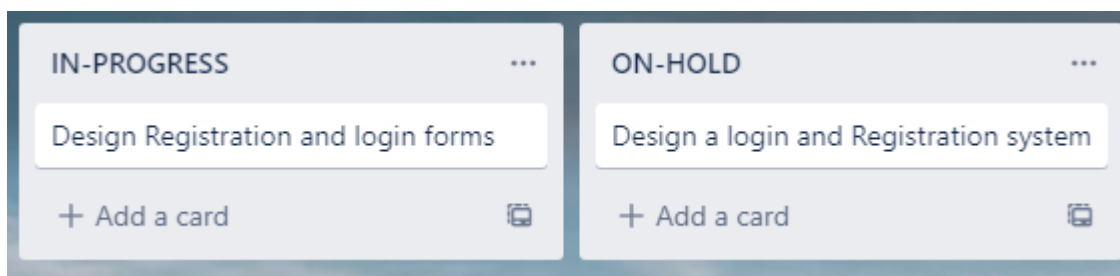
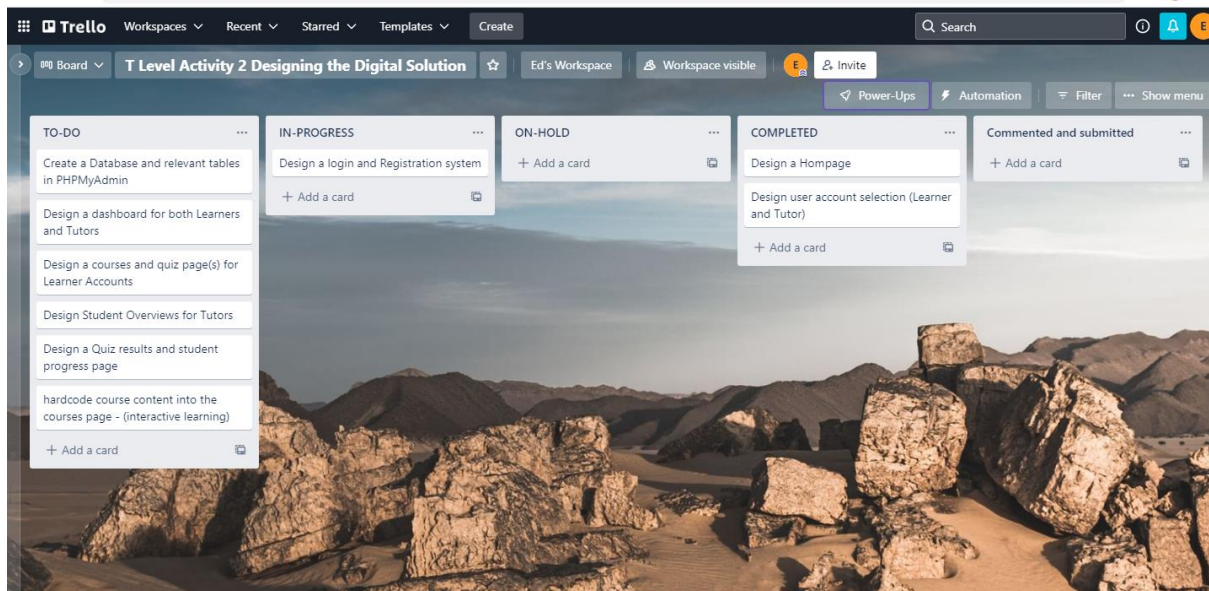
Further use of Templating, Homepage completed and same for Register and login pages. Productive!



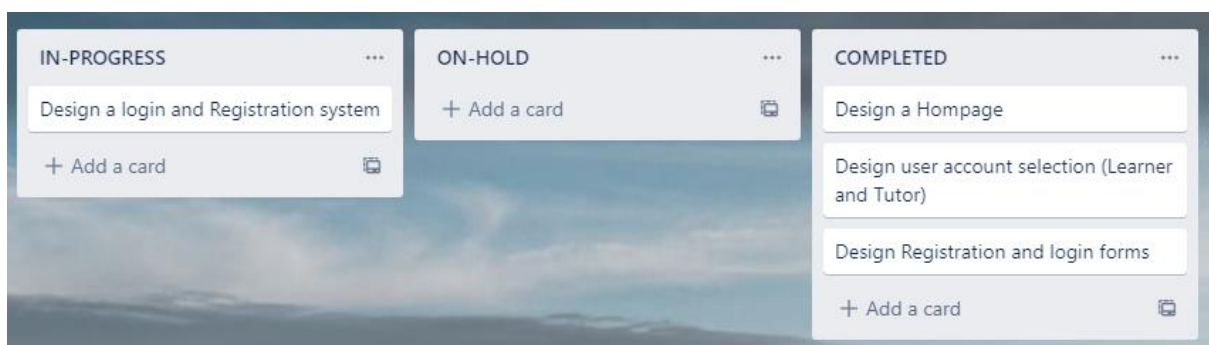


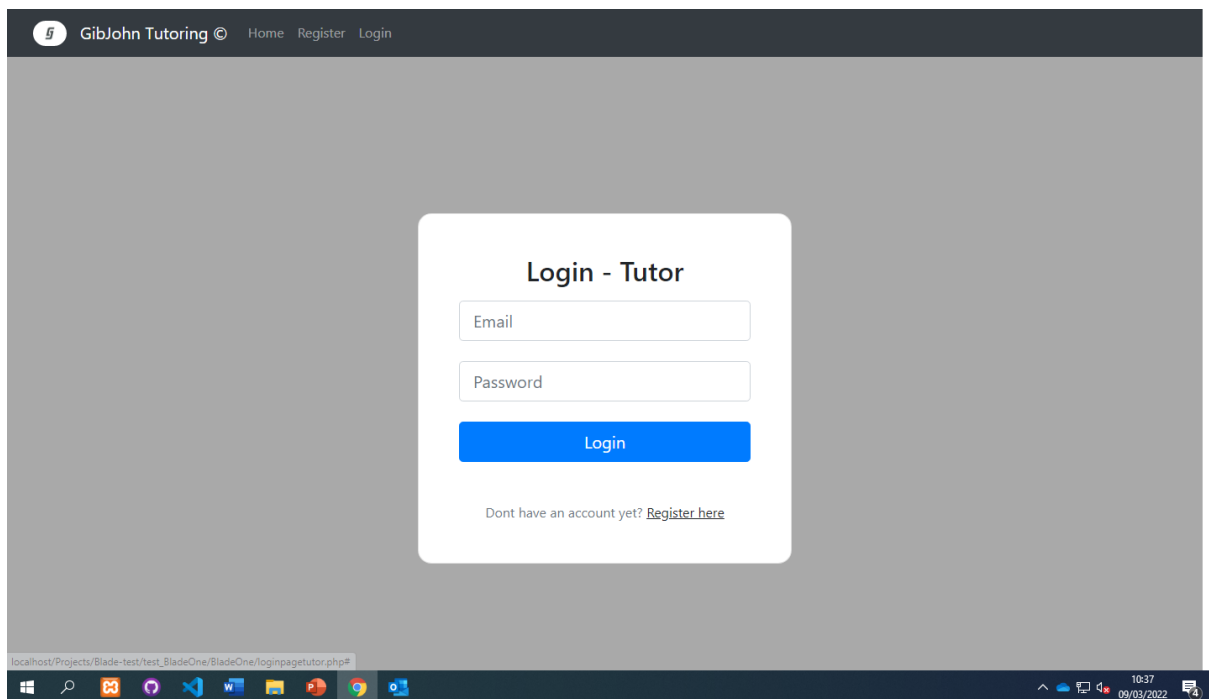
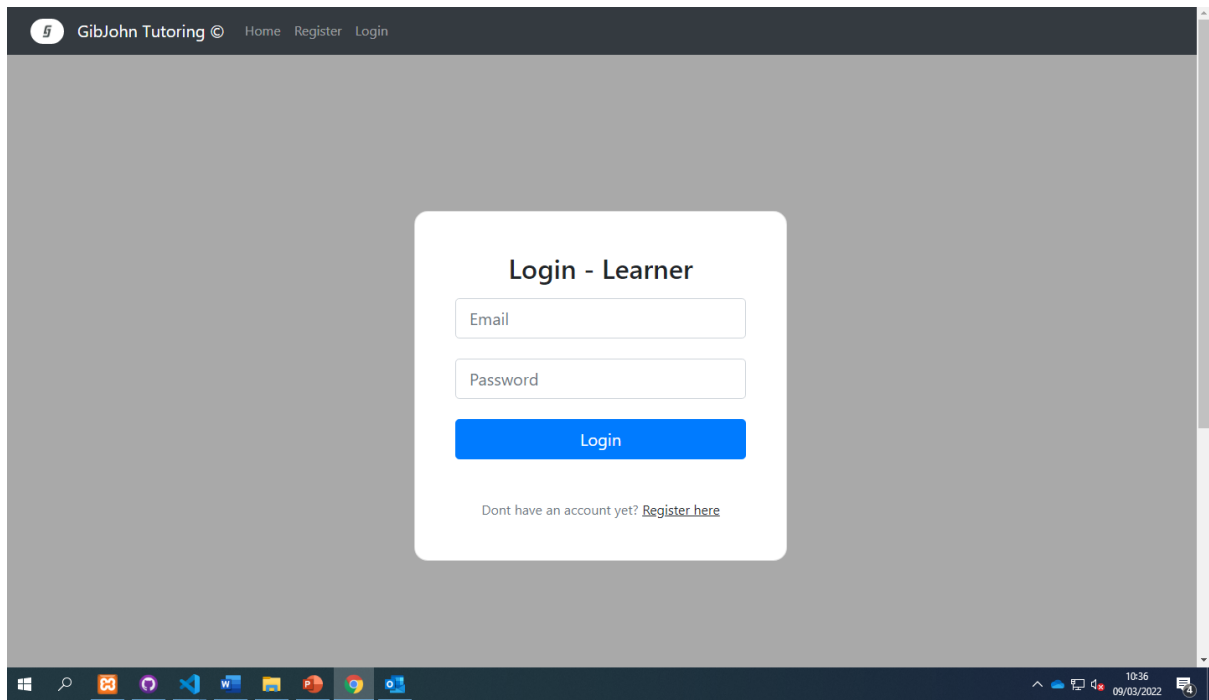
## Exam Session 4 09/03/2022

In today's session I have finished off the learner and Tutor account selection and added login form pages for both students and Tutors. I have made a start on the Application form however it is not complete just yet. I have also created a rough Trello board to track visually my progress through tasks, and when others spring to mind they will be added on the Kanban board.



The Login and registration system is put on hold until the actual webforms have been made.







### Exam Session 5 - 09/03/2022

Registration forms finished off and making a start on the Backend Database to allow users to login and register. Made a database called televelexam and added a table which stores learner register/login data. I will shortly make one for Tutors so they can do the same.

Run SQL query/queries on database **televelexam**:

```

1 create table registered_learners
2 (
3     LearnerID int primary KEY not null,
4     LearnerFullname varchar(255) not null,
5     LearnerDateOfBirth date not null,
6     LearnerGender smallint,
7     LearnerEmail varchar(255) not null,
8     LearnerPhoneNumber int not null,
9     LearnerClass varchar(255) not null
10 )

```

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0013 seconds.)

`SELECT * FROM `registered_learners``

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

| LearnerID | LearnerFullname | LearnerDateOfBirth | LearnerGender | LearnerEmail | LearnerPhoneNumber | LearnerClass |
|-----------|-----------------|--------------------|---------------|--------------|--------------------|--------------|
|-----------|-----------------|--------------------|---------------|--------------|--------------------|--------------|

Query results operations

### Exam session 6 – 11/03/2022

Didn't manage to progress as far as I wanted today, I got stuck on inserting form data into the database tables – I can establish a connection; however, I have only gotten null values and a screen or errors once the form is posted. I also had to edit the date of birth form input as it was a hassle to get working so I just made it into an integer field.

Options

|                          |      |      |        | LearnerID | LearnerFullname | LearnerDateOfBirth | LearnerGender | LearnerEmail | LearnerPhoneNumber | LearnerUsername | LearnerPassword | LearnerClass |
|--------------------------|------|------|--------|-----------|-----------------|--------------------|---------------|--------------|--------------------|-----------------|-----------------|--------------|
| <input type="checkbox"/> | Edit | Copy | Delete | 12        |                 | 0                  | NULL          |              | 0                  |                 |                 |              |
| <input type="checkbox"/> | Edit | Copy | Delete | 13        |                 | 0                  | NULL          |              | 0                  |                 |                 |              |
| <input type="checkbox"/> | Edit | Copy | Delete | 14        |                 | 0                  | NULL          |              | 0                  |                 |                 |              |
| <input type="checkbox"/> | Edit | Copy | Delete | 15        |                 | 0                  | NULL          |              | 0                  |                 |                 |              |
| <input type="checkbox"/> | Edit | Copy | Delete | 16        |                 | 0                  | NULL          |              | 0                  |                 |                 |              |
| <input type="checkbox"/> | Edit | Copy | Delete | 17        |                 | 0                  | NULL          |              | 0                  |                 |                 |              |

Notice: Undefined index: fullname in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 11

Notice: Undefined index: age in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 12

Notice: Undefined index: gender in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 13

Notice: Undefined index: email in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 14

Notice: Undefined index: phonenummer in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 15

Notice: Undefined index: username in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 16

Notice: Undefined index: password in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 17

Notice: Undefined index: class in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 18

You have connected to your database!

Notice: Undefined index: fullname in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 27

Notice: Undefined index: age in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 28

Notice: Undefined index: gender in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 29

Notice: Undefined index: email in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 30

Notice: Undefined index: phonenummer in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 31

Notice: Undefined index: username in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 32

Notice: Undefined index: password in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 33

Notice: Undefined index: class in C:\xampp\htdocs\Projects\Blade-test\test\_BladeOne\BladeOne\php\register-action.php on line 34

New record created successfully

USER ID IS:18

Things for next time – FIX the register form and then the login system will be a breeze. Once that is done maybe implement sessions and then start on the design of webpages for the tutor and students who want to view their courses etc.

## Exam Session 7 – 14/03/2022

Register Learner and Tutor accounts all working now, and a register page created for both. I have started on the login code and process so by the end of exam session 8 I will have a working register and login system.

## Registration Form - Learner

Rob

Full Name

45

Age

Gender:

☐ Female ☒ Male ☐ Other

test.test@testemail.com

Email Address

123456789

Phone Number

testusername

Username

.....

Password

### Class 3

▼ Choose Class




Submit

Or if you already have an account log in here ->

[Log in](#)

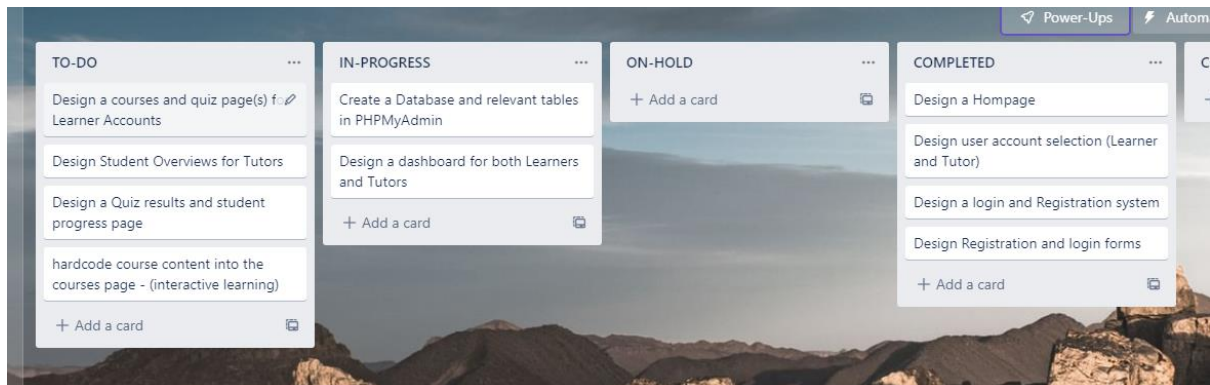
← → ↻ ⓘ localhost/Projects/Blade-test/test\_BladeOne/BladeOne/php/register-action.php

```
Array ( [fullname] => Rob [age] => 45 [gender] => male [email] => test.test@testemail.com [phonenumber] => 123456789 [username] => testusername [password] => testpassword [class] => 3 ) You have connected to y
USER ID IS:26
```

| + Options                |   |   |   |           |                 |                    |               |                         |                    |                 |                 |              |
|--------------------------|---|---|---|-----------|-----------------|--------------------|---------------|-------------------------|--------------------|-----------------|-----------------|--------------|
|                          |   |   |   | LearnerID | LearnerFullname | LearnerDateOfBirth | LearnerGender | LearnerEmail            | LearnerPhoneNumber | LearnerUsername | LearnerPassword | LearnerClass |
| <input type="checkbox"/> |  |  |  | 26        | Rob             | 45                 | male          | test.test@testemail.com | 123456789          | testusername    | testpassword    | 3            |

## Exam session 8 – 14/03/2022

Reference used: <https://codeshack.io/secure-login-system-php-mysql/> - Very helpful website for login system. I have finished off the register and login system, I have moved onto the dashboard. I'm happy with my progress over today's 2 sessions. The logged-in screen (Dashboard) is slightly erroring as it is in a different file location, not /php/ the one I'm currently in. I'm sure it's a quick fix but from the login form it goes to nowhere currently.



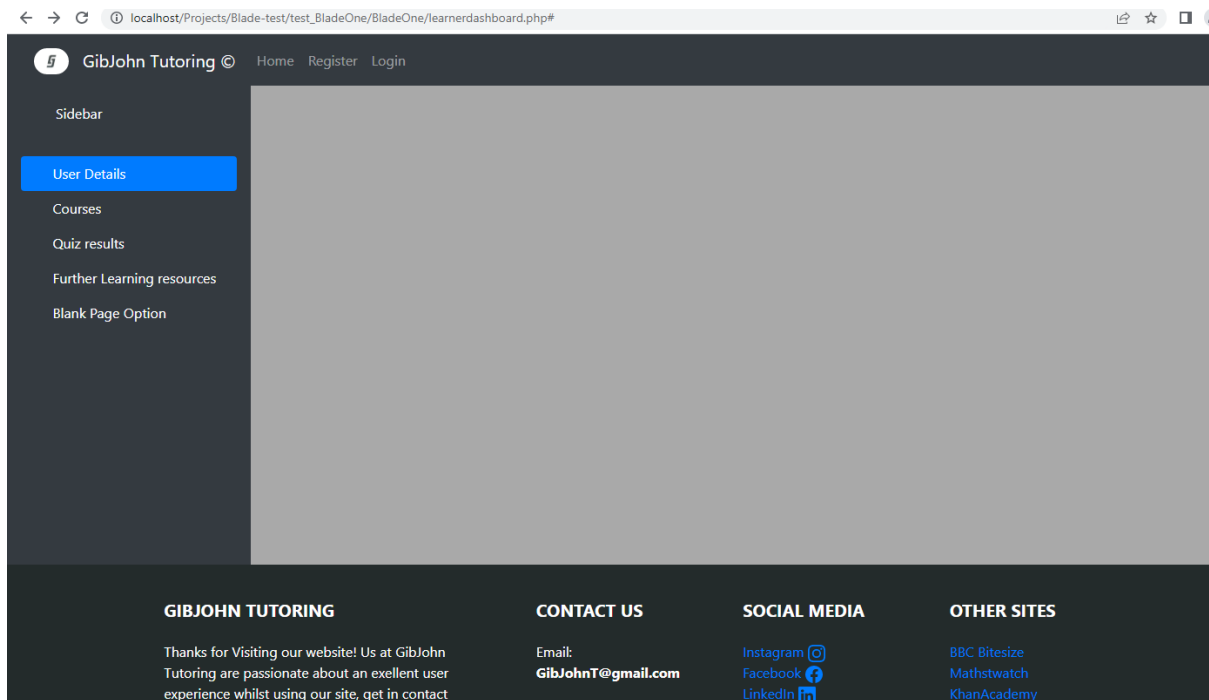
## Exam Session 9 – 15/03/2022

I have made the login process a bit clearer and started the dashboard. I have made it so I draw the users details from the database via SQL queries to gain the information the user sees on their dashboards.

```
</div>
<div class="col-sm-9 text-secondary">
  <?php
    $query = mysqli_query($conn, 'SELECT LearnerPhoneNumber FROM registered_learners WHERE LearnerID like "%'. $id . '%'');
    $row = mysqli_fetch_array($query);
    print($row['LearnerPhoneNumber']);
  ?>
</div>
```

## Exam Session 10 – 16/03/2022

Today I have managed to make a start on the learner dashboard after their initial user profile is displayed on the screen. It has 3 pages that I described in task 1 A (ii).



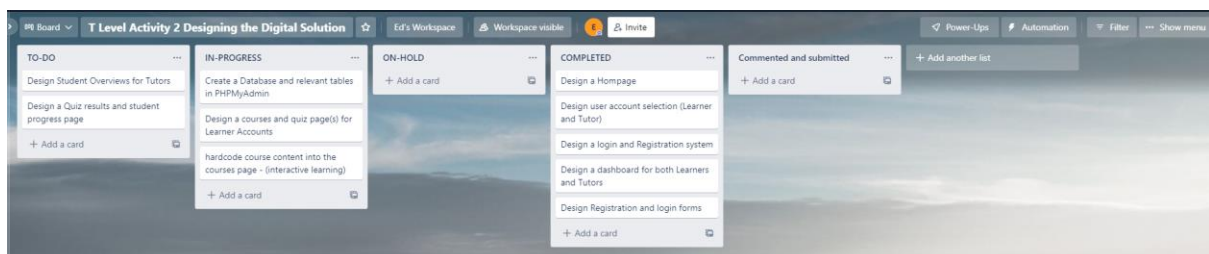
To-do for next time – finish off the dashboard for learner, figure out how to change the course content for each class (1,2,3).

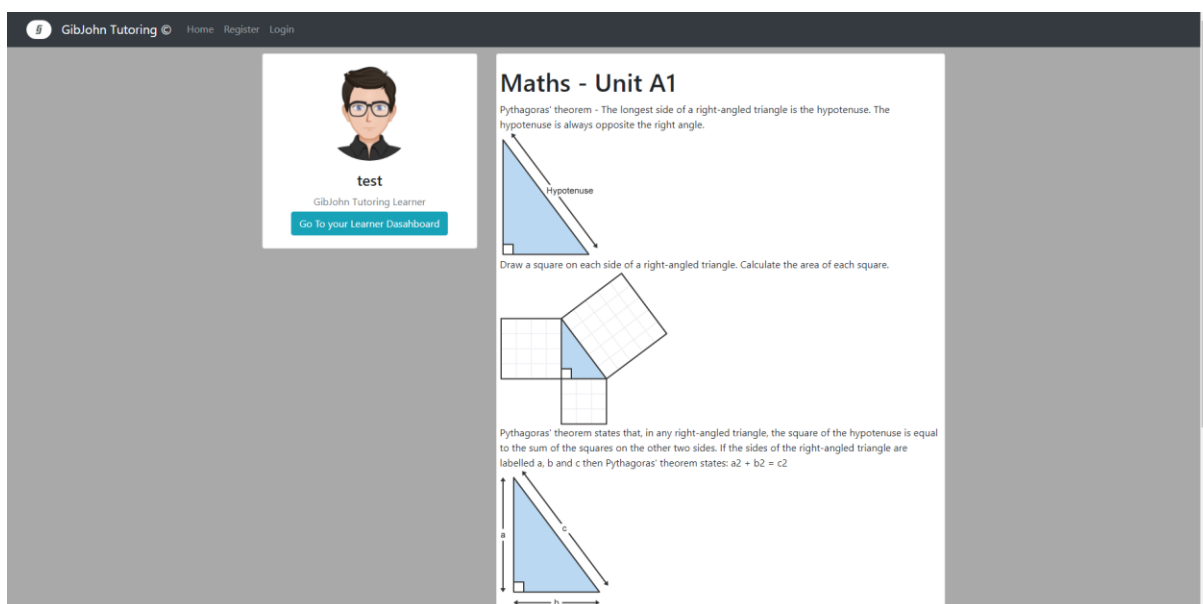
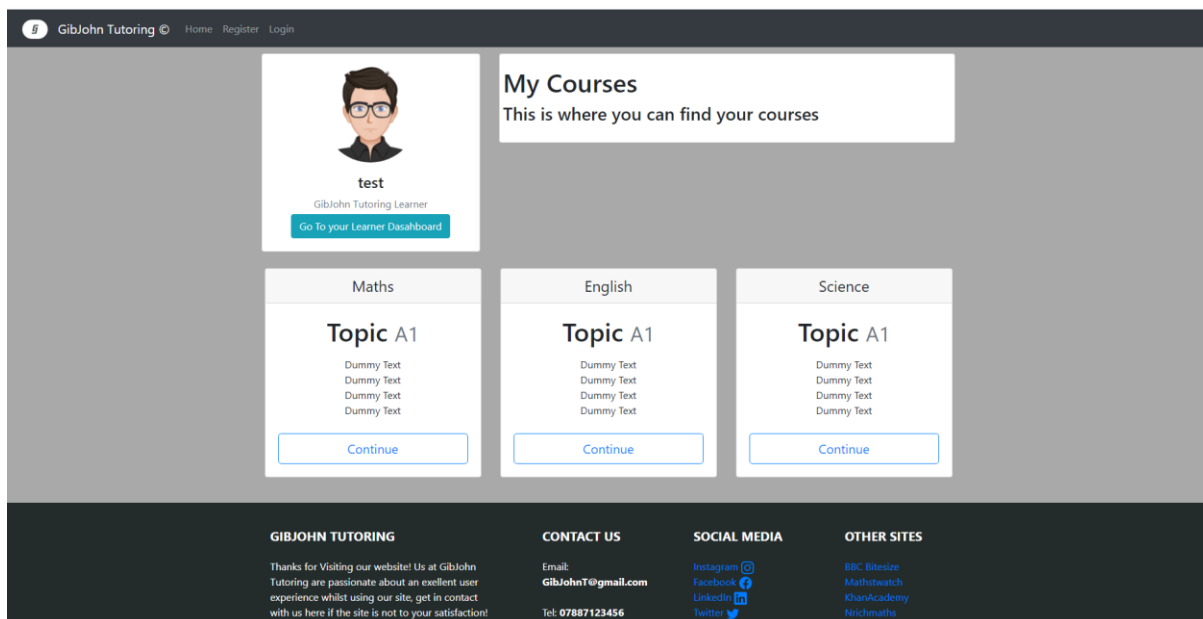
### Exam session 11 – 16/03/2022

In this session I found out that the side navigation bar really messed with bootstraps positioning and made it messy and tough to figure out how to put content in the correct place. To avoid this, I made 1 central dashboard with 4 links to the relevant pages – courses, user details, further learning and quiz results.

### Exam Session 12 – 18/03/2022

In this session I managed to make a learner courses page and 1 resources page for the course (hard coded). In the Next session I will mess around with the visibility of the courses for each class.





### Exam session 13 – 18/03/2022

I need to get the courses corresponding with the class either 1,2,3 so I can personalise the courses for each learner when the login. Next Session Aim – Try and get it to work otherwise start focusing on tutor dashboard and their students (All of 1 class) and possibly get to assigning work. After all of this I need to do quizzes and log the results in a database and then get graphical evidence of the results for both learner and tutor. (1 Week left and then I need to spend the next week Testing and Writing up what I have done).

### Exam Session 14 – 21/03/2022

I have tried my best to change the page depending on the learner's class however it should not be taking this long. It should just be a simple import and a few lines of if statement. Irritated that it has taken a whole session and gotten nowhere.

```

$conn = mysqli_connect($servername, $username, $password, $dbname)
    or die("Connection Failed");
$row = mysqli_fetch_array($query);
$id = $row["LearnerID"];
$query = mysqli_query($conn, 'SELECT LearnerClass FROM registered_learners WHERE LearnerID like "%'. $id . '%'');
$learnerclass = $query;

if($learnerclass == "1"){
    header("Location:maths1learner.php");
} else if($learnerclass == "2") {
    header("Location:maths2learner.php");
}
?>

```

### Exam Session 15 – 21/03/2022

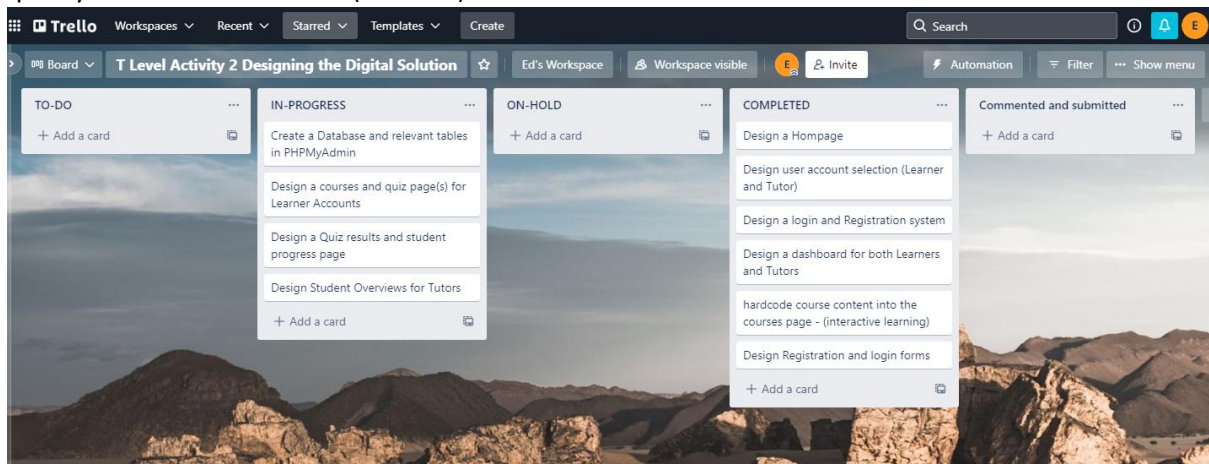
I will need to spend some time outside the exam to figure out why my simple if statement is not working. Once this is rectified however, it is a massive section done and I only must focus on the quiz and results page for the learners and the tutor's views. The tutors' views will come easily once I figure out how to display learner data, from a database, in a progress bar. However, if this is not possible, I will just output the raw results of the student's quiz. In this session I started the further learning+ resource page as I was stuck on my current problem I explained above.


### Exam Session 16 – 22/03/2022

I have managed to fix the errors I had yesterday. I've got different content for students with a different class.

### Exam Session 17 – 23/03/2022

I have managed to start on the Tutor dashboard and make a tutor view with the students. I'm experimenting ways that it will work like as I need to have a progress bar, and a way the tutor can click a button to say whether a student has passed or not. This would then update a database table that would show up on the student's dashboard. After this has been completed, I will start on the quiz system for the students (learners).






**luke**  
GibJohn Tutoring Tutor

Go To your Tutor Dasahboard

Students under your Tutor Class of - 2 include:


Learner ID	Leaner Name	Learner Age	Class
37	jensen	32	2
38	don	23	2

GOAL PROGRESS




- Project Lead

70%




Cameron Doe - Sales

91%




Hoffman Doe - Support

40%



Jane Doe - Marketing

20%




Hoffman Doe - Support

45%

### Exam session 18 – 23/03/2022

I have made more of an attempt on the tutor dashboard its getting somewhere however I am still unsure on how to use database values to put into the CSS of the progress bars. This problem I will research and figure out over the next day before out next exam session on Friday. I will make the student Quiz on Friday and input the value of that to the database.



**luke**  
GibJohn Tutoring Learner

Go To your Learner Dasahboard

**This is your Student Overview.**  
Click on a student to get more information

STUDENT 1

30%

STUDENT 2

25%

STUDENT 3

25%

STUDENT5

25%

<https://www.bootdey.com/snippets/view/profile-edit-data-and-skills>

**Last Few Exam sessions – Testing and writeup – 28/03/2022 – 30/03/2022**



