

Virtual Trainer An Online Platform for Basketball Training

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Introduction

 This project was created for beginner basketball players who want to work on their skills and may not have the ability to go to in person training due to COVID-19. It gives players another option to seek help and ask questions they may have.

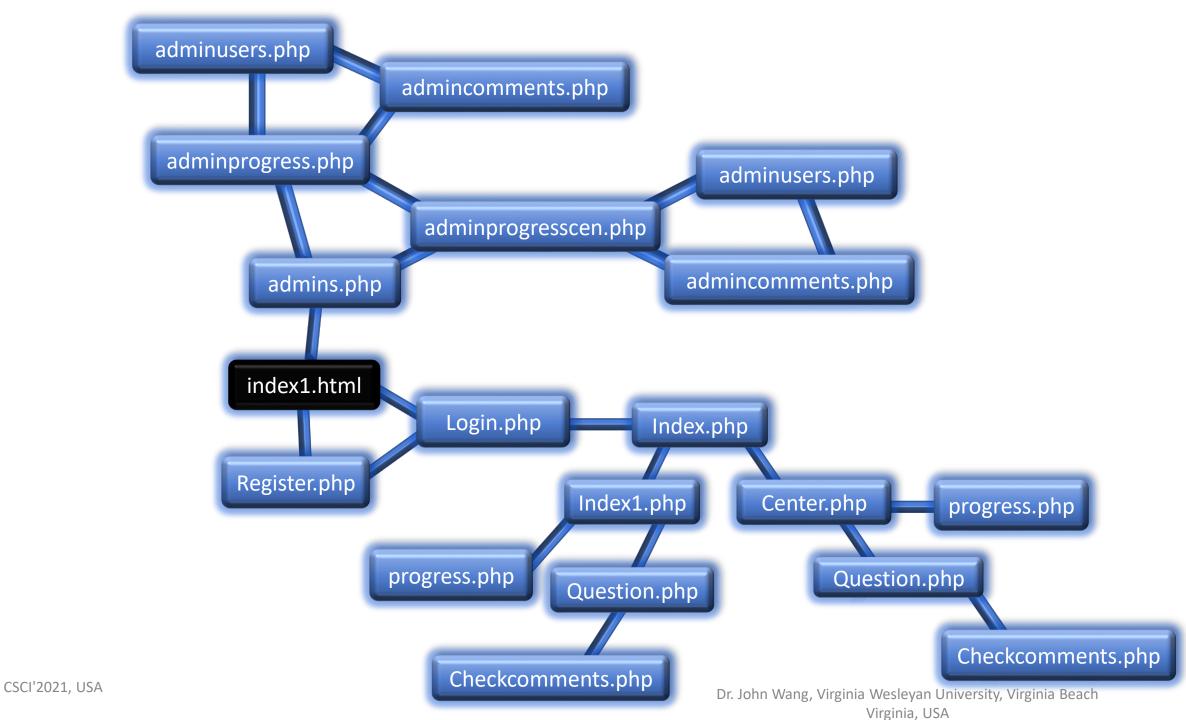


Requirement Analysis

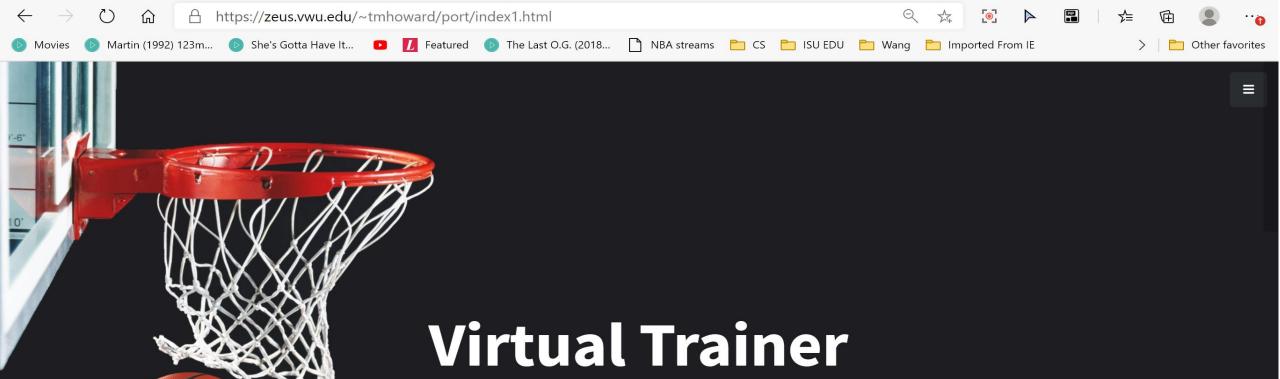
- The front-end development was done by using CSS and Bootstrap to create a clean interface.
- HTML and PHP was used to create a register and sign in form for users to access their accounts.
- MYSQL database tables were created to store user's information and progress
- Once logged in the users have a simple interface that allows them to complete training modules, check their progress, and add comments.
- An admin page was also created to check the user's progress.

Website Flow

The home page details all the information a user would need to know about the website, displaying the skills you would learn, a page to see some of the best basketball players (For motivational purposes) and has the sign up and sign in options as well.

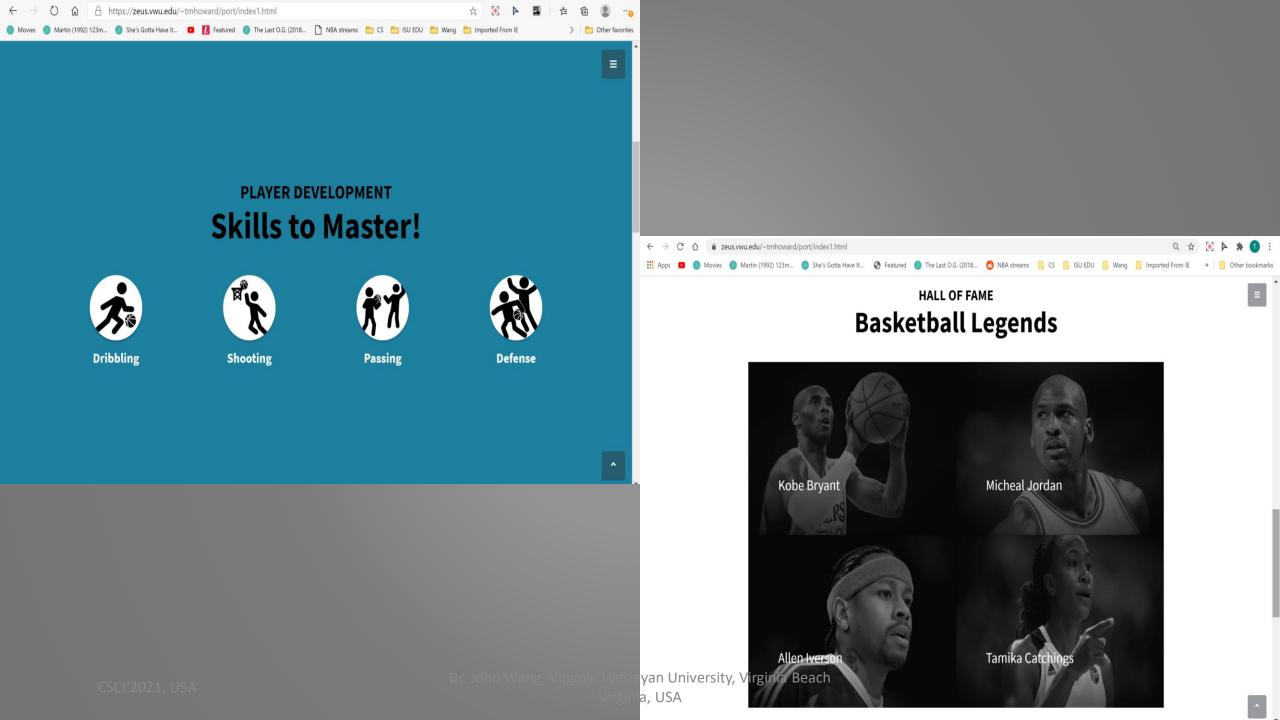


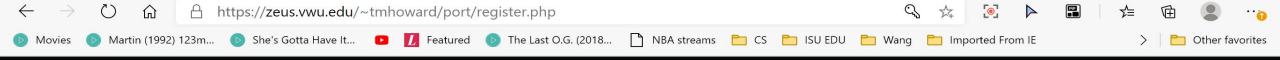




Basketball Training Made Safe









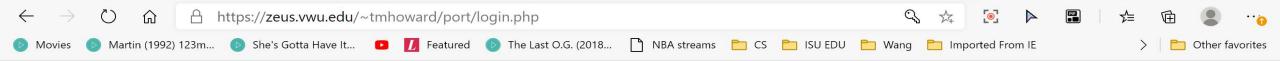
С	reate an Account!
First Name	Last Name
Email Address	
Password	Repeat Password
	Register Account
A	Iready have an account? Login!

dUsers	FirstName	LastName	emailUsers	pwdUsers	CREATED_AT
	Tyson	Howard		\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.QL3EEwVDsNuAv30q3xbDqyLT.2Cwrt5	
	Tyson jay	Howard smith	tmhowardl@vwu.edu jay@vwu.edu	<pre> \$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.KY60M6AmmByV7arsyXy4hQzrRlq1ED2 \$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.QL3EEwVDsNuAv30q3xbDqyLT.2CwrtS </pre>	2020-09-30 13:14:25
	ari tyson	toy howard	atoy@yahoo.com thoward@vwu.edu	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.dPSfnTY.zlRTeTrSIZeFBG8k3e6xg/2 \$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.dPSfnTY.zlRTeTrSIZeFBG8k3e6xg/2	
6	john	john	jon@vwu.edu	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.dPSfnTY.zlRTeTrSIZeFBG8k3e6xq/2	2020-10-29 18:38:17
	"> <h1>tes</h1> test		waq@gmail.com test@vwu.edu	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.X3hmS/V4TR499xQT50/P1hVd4mV136C \$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.QL3EEwVDsNuAv30q3xbDqyLT.2CwrtS	
+	 set (0.00 sec)				

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else if (\$passwordCk == true && \$dbID ==1) {
 session_start();
 \$_SESSION['accID'] = \$dbID;
 \$_SESSION['accUSER'] = \$user;

header("Location: gray/admins.php?login=success");
 exit();

else if (\$passwordCk == true) {
 session_start();
 \$_SESSION['accID'] = \$dbID;
 \$_SESSION['accUSER'] = \$user;

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Welcome Back!

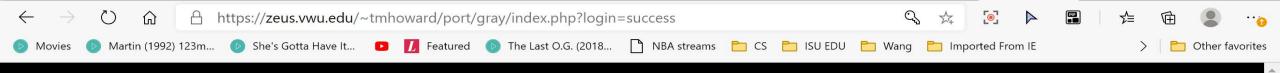
Enter Email Address...

Password

Create an Account!

Login

ysql> mysql> select idUsers, pwdUsers FROM users2 WHERE emailUsers="tmhoward@vwu.edu"; idUsers | pwdUsers | 1 | \$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.QL3EEwVDsNuAv30q3xbDqyLT.2CwrtS | row in set (0.00 sec)



Player Position

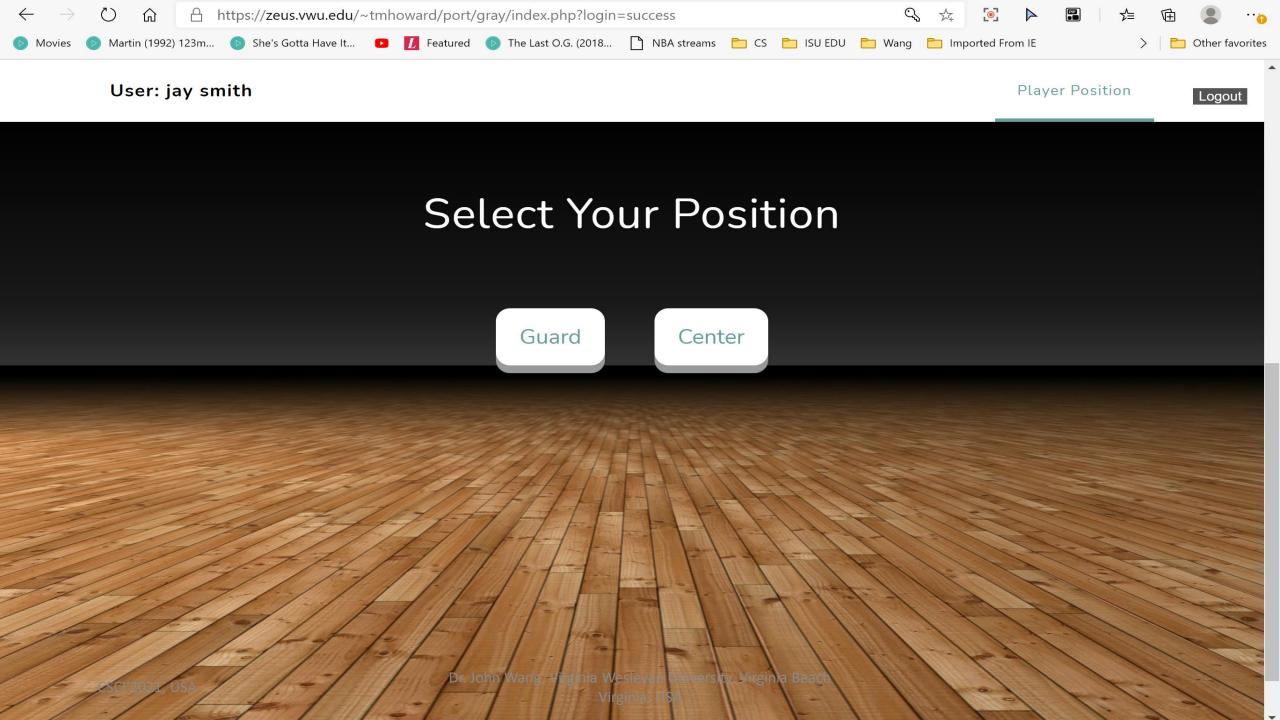
Logout

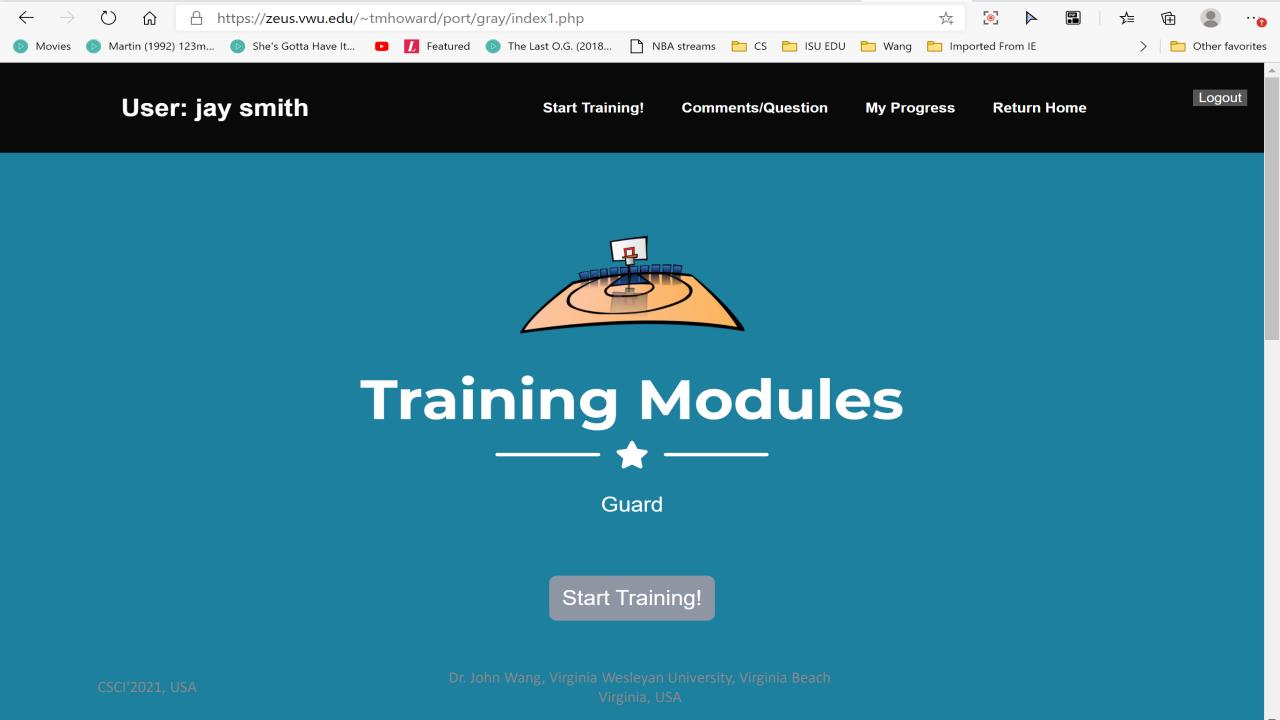
User: jay smith

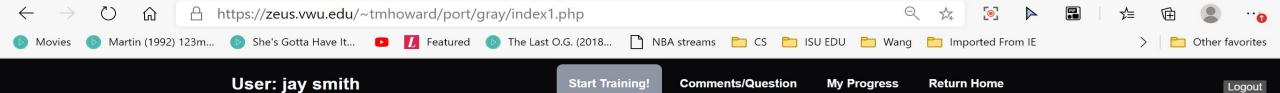
WELCOME!

Your journey begins...

GET STARTED







Start Training!







pldpiD = \$_SESSION[.acciD.];

\$sql = "select* from pguard3 where idUsers =?"; \$stmt = mysqli_stmt_init(\$connect);

if(!mysqli_stmt_prepare(\$stmt, \$sql)){
 print"Error";
 exit();

} else{

> //print"bad"; mysqli_stmt_bind_param(\$stmt, "i", \$idbID); mysqli_stmt_execute(\$stmt); mysqli_stmt_store_result(\$stmt); \$dbCheck = mysqli_stmt_num_rows(\$stmt);

if(\$dbCheck==4)

print"All Modules Complete";
//print(\$dbCheck);
echo "";

\$image="http://bestanimations.com/media/awards/1466403556trophy-gold-animated-gif-6.gif";
print"";

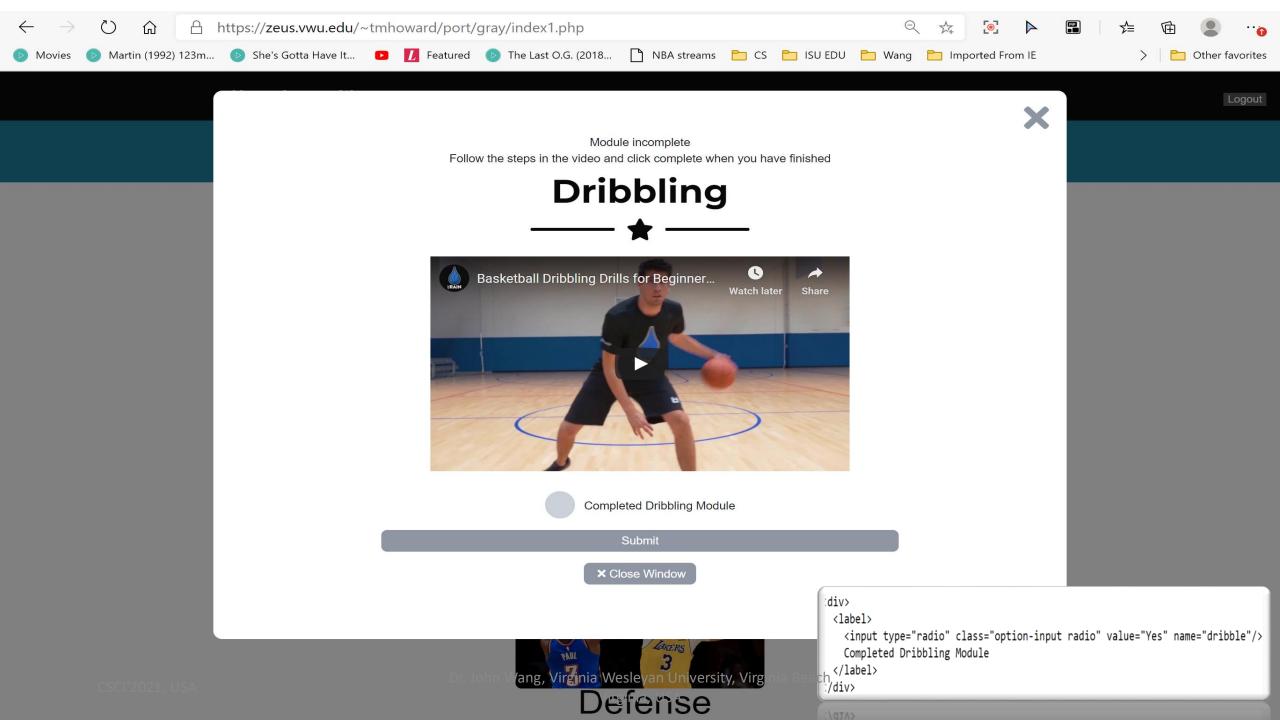
} else

aC(√print(\$dbCheck); print"Modules incomplete"; echo ""; print"Follow the steps in the video and click submit when you have finished";

ysql> sele	ect* from	pguard3 whe	re idUsers=	=3;
idUsers	Dribble	Shooting	Passing	Defense
3 3 3	Yes NULL NULL	NULL Yes NULL NULL	NULL NULL Yes	NULL NULL
rows in s	set (0.00 CSCI'2021,		++	++



Dr. John Wang, Virginia Weslevan University, Virginia Beach/print(\$dbCheck); Follow the steps in the video and click submit when you have



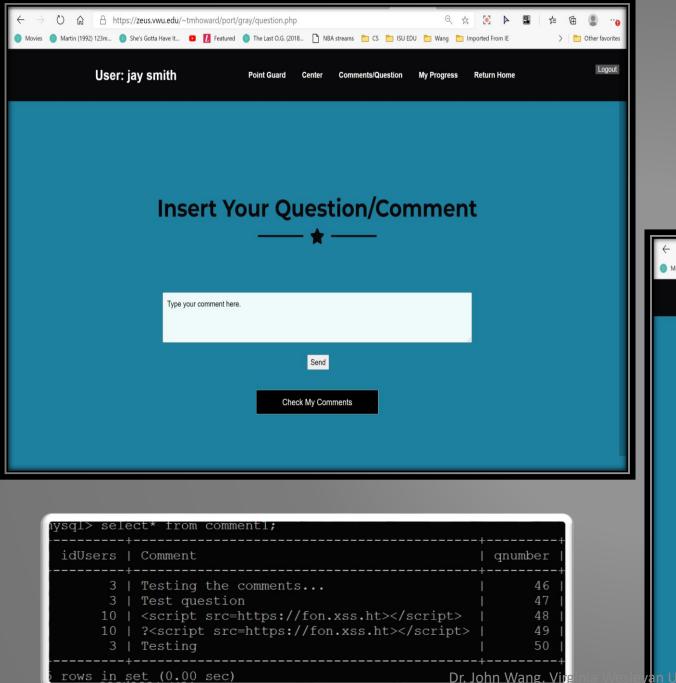
```
$idbID = $ SESSION['accID'];
$pg dribble = $ GET['dribble'];
$pg_shoot = $_GET['shoot'];
$pg_pass = $_GET['pass'];
$pg defense = $ GET['defense'];
    if($pg dribble == "Yes")
  $sql = "select Dribble from pguard3 where idUsers=? AND Dribble = 'YES'";
  //$sql = "select Dribble = 'YES' from pguard3 where idUsers=?";
  $stmt = mysqli_stmt_init($connect);
  if(!mysqli_stmt_prepare($stmt, $sql)){
     header("Location: index1.php?error=sqlerror11");
     exit();
  }
  else{
     //mysqli stmt bind param($stmt, "ss", $idbID,$pg dribble);
     mysqli_stmt_bind_param($stmt, "i", $idbID);
     mysqli stmt execute($stmt);
     mysqli_stmt_store_result($stmt);
     $dbCheck = mysqli_stmt_num_rows($stmt);
      if($pg_dribble != "Yes"){
        header("Location: index1.php?Module_NOT_complete");
        exit();
     }
    else if($dbCheck> 0){
        header($hello = "Complete!!");
        header("Location: index1.php?Module_Dribble_Completed");
        //print($dbCheck);
        exit();
     }
     else{
        $sql = "INSERT INTO pguard3 (idUsers,Dribble) VALUES (?,?)";
        $stmt = mysqli_stmt_init($connect);
        if(!mysqli_stmt_prepare($stmt, $sql)){
              header("Location: register.php?error=sqlerror");
              exit();
        else{
             mysqli_stmt_bind_param($stmt, "ss", $idbID, $pg_dribble);
              mysqli_stmt_execute($stmt);
           //print "You have completed the dribbling module!!<P>";
    CSCI'2021, USA
```

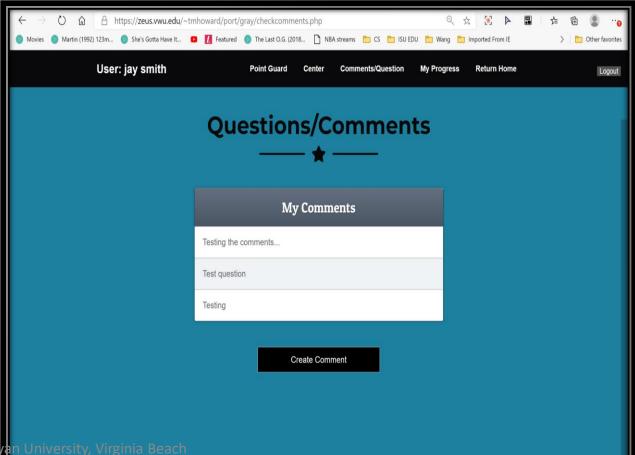
nysql> select* from pguard3;
idUsers Dribble Shooting Passing Defense
4 NULL Yes NULL NULL I 4 NULL NULL NULL Yes I 5 NULL Yes NULL I NULL I 1 NULL Yes I NULL I I 1 NULL Yes I NULL I 1 NULL I Yes I I I 1 NULL I Yes I
i rows in set (0.00 sec)
nysql> select Dribble from pguard3 where idUsers=3 AND Dribble = "Yes"; Dribble Yes Yes row in set (0.00 sec)
row in set (0.00 sec)

0

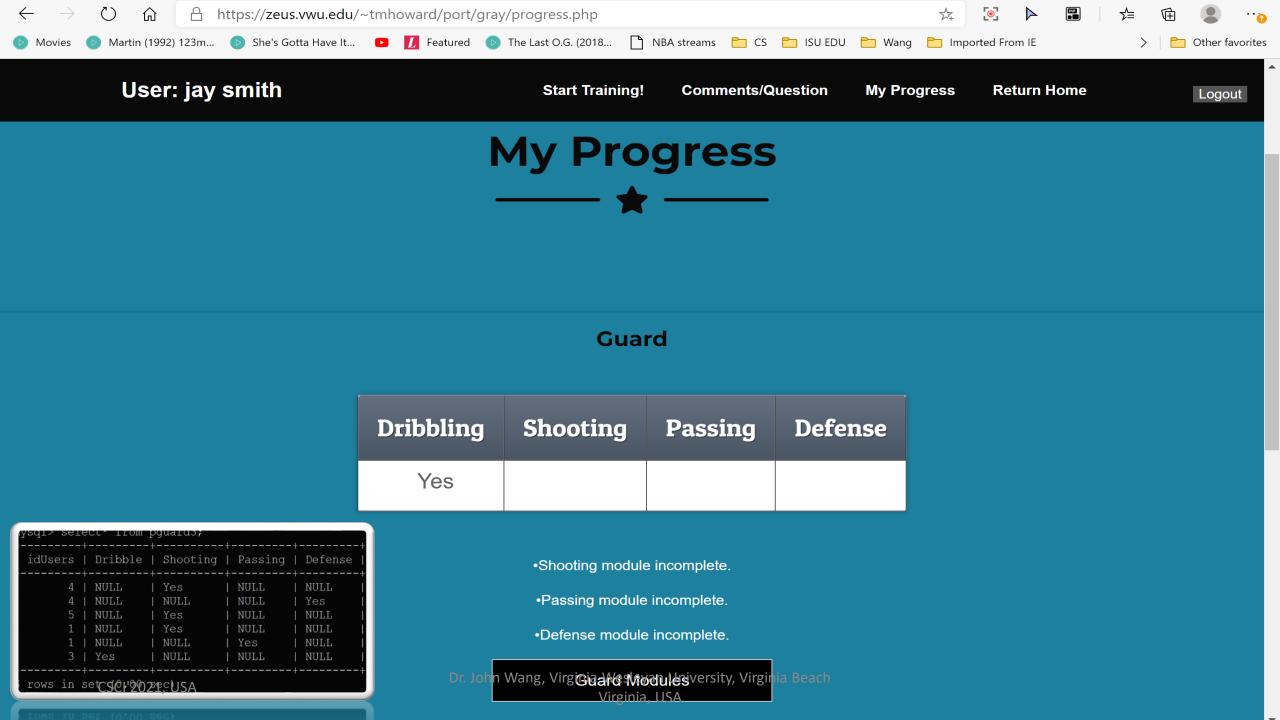
header("Location: index1.php?pguard=success_dribble");

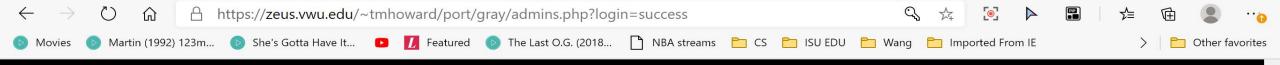
Virginia, USA





Comments will automatically delete after you recieve a response in your email.





Player Status

Logout

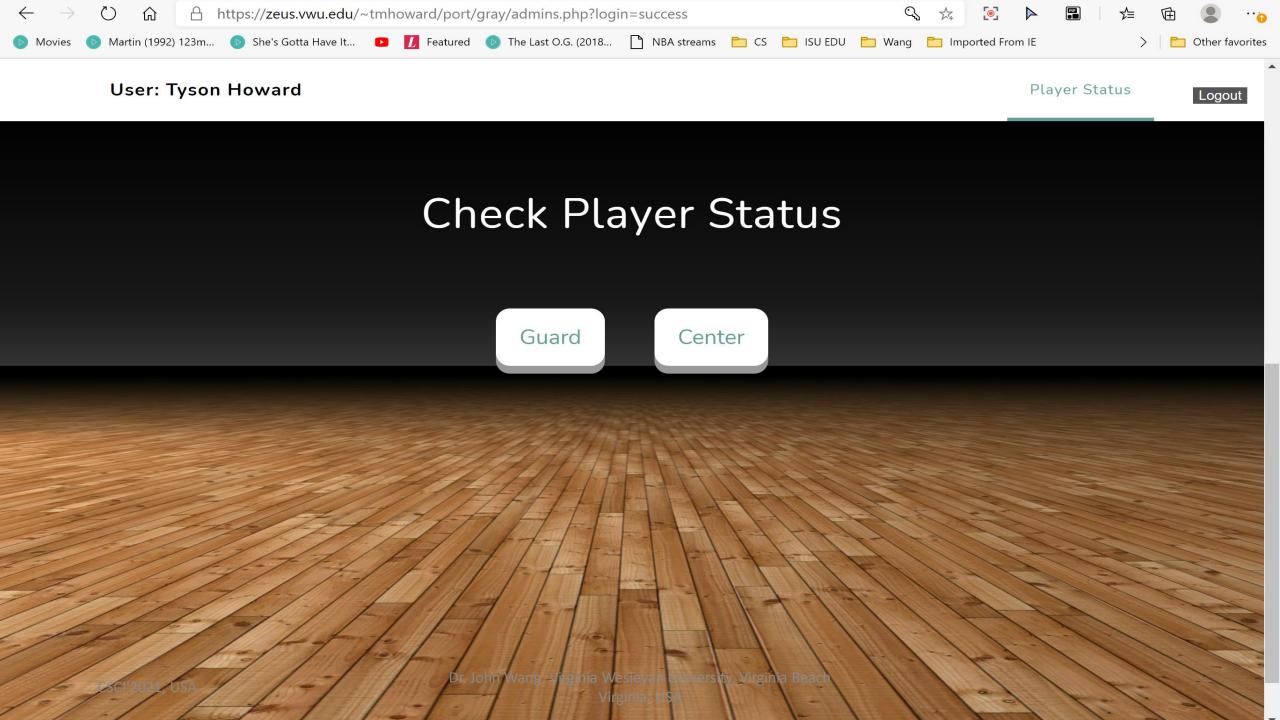
User: Tyson Howard

WELCOME!

Admin Page

GET STARTED

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Guard Module Progress

iD	Dribbling	Shooting	Passing	Defense			
1		Yes					
1			Yes				
Select ID Send							
			Send				

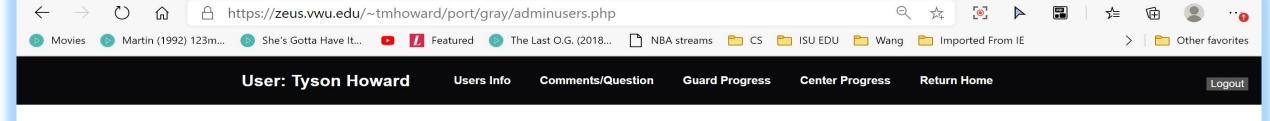
iD	Dribbling	Shooting	Passing	Defense
4		Yes		
4				Yes
5		Yes		
1		Yes		
1			Yes	

Delete ID

Delete Module

Delete All Modules

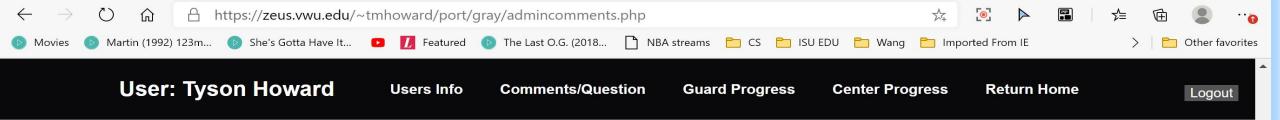
University, Virginia Beach



User Information

iD	First Name	Last Name	Email
1	Tyson	Howard	tmhoward@vwu.edu
2	Tyson	Howard	tmhoward1@vwu.edu
3	jay	smith	jay@vwu.edu
4	ari	toy	atoy@yahoo.com
2.2			

ysql> select* from users2; +						
idUsers	FirstName	LastName	emailUsers	pwdUsers	CREATED_AT	
1	Tyson	+ Howard	+ tmhoward@vwu.edu	+	2020-09-26 21:55	
2	Tyson	Howard		\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.KY60M6AmmByV7arsyXy4hQzrRlq1ED2		
3	jay	smith	jay@vwu.edu	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.QL3EEwVDsNuAv30q3xbDqyLT.2CwrtS	2020-09-30 13:1	
4	ari	toy	atoy@yahoo.com	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.dPSfnTY.zlRTeTrSIZeFBG8k3e6xq/2	2020-10-22 00:1	
5	tyson	howard	thoward@vwu.edu	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.dPSfnTY.zlRTeTrSIZeFBG8k3e6xq/2	2020-10-28 17:0	
6	john	john	jon@vwu.edu	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.dPSfnTY.zlRTeTrSIZeFBG8k3e6xq/2	2020-10-29 18:3	
11	"> <h1>tes</h1>	"> <h1>tes</h1>	waq@gmail.com	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.X3hmS/V4TR499xQT50/P1hVd4mV136C	2020-11-16 11:2	
10.1	test	test	test@vwu.edu	\$2a\$07\$acdfsxbgtyhj1425\$\$\$\$.QL3EEwVDsNuAv30q3xbDgyLT.2CwrtS	2020-12-01 15:1	



User Comments

nysql> sel	ect* from comment1;	
idUsers	Comment	qnumber
3 3 10 10 3	46 47 48 49 50	
j rows in	set (0.00 sec)	+ +

Conclusion

- This website successfully gives users the ability to learn the fundamentals of basketball in a safe space and allows users to voice their question or concerns they may have.
- To expand this project, one way is for users to interact with each other. Also, in the register form I would give trainers the ability to sign up and interact with players as well. In effect, allowing players and trainers to network with each other.