****

**UNIT:** BLOCK CHAIN TECHNOLOGIES AND APPLICATIONS

**UNIT CODE:** BBIT 4107

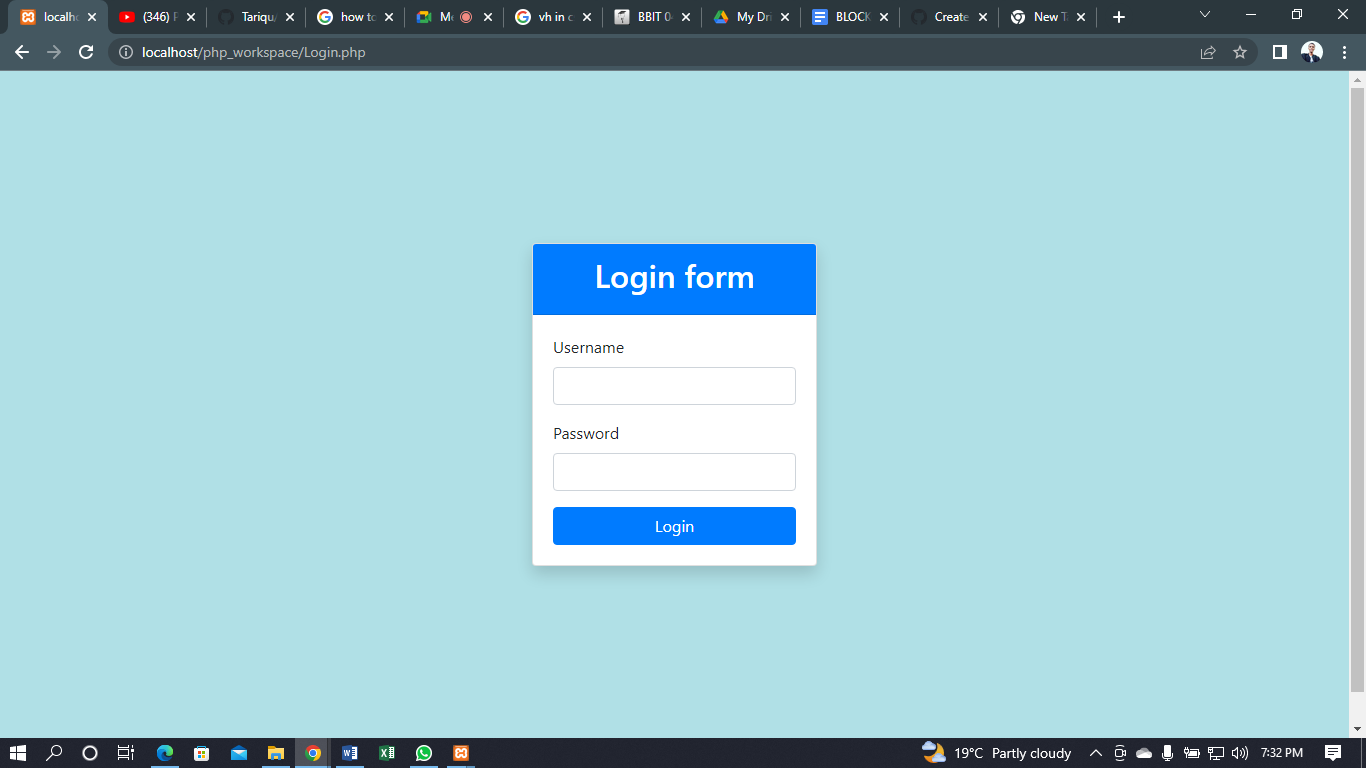
**TITLE:** PROJECT TASK 3

**GROUP MEMBERS**

1. REGINA EMANMAN- 18/05952
2. SHARON SOILA MEMUSI- 21/01590
3. KOKI FAITH WAMBUA- 19/03473
4. NDAVI BEATRICE NDUKU- 21/03201
5. FESTUS MUTUKU KASILI- 19/03262

**GITHUB LINK**

**LOGIN INTERFACE**



CODE

<!DOCTYPE HTML>

<html>

<head>

<link rel="stylesheet" type="text/css" href="css/bootstrap.css">

<style>

</style>

</head>

<body style='background-color: powderblue;'>

<?php

// define variables and set to empty values

$usernameErr = $passwordErr = "";

$username = $password =  $login = $clear = $exit = "";

  if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["username"])) {

      $usernameErr = "User Name is required";

    } else {

      $username = test\_input($\_POST["username"]);

      if (!preg\_match("/^[a-zA-Z-' ]\*$/",$firstname)) {

        $usernameErr = "Only letters and white space allowed";

      }

       }

    }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

      if (empty($\_POST["password"])) {

        $passwordErr = "password is required";

      } else {

        $password = test\_input($\_POST["password"]);

        if (!preg\_match('/^\d+$/',$password)) {

          $passwordErr = "Only numbers and white space allowed";

        }

         }

      }

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<div class="container vh-100">

    <div class="row justify-content-center h-100">

      <div class="card w-25 my-auto shadow">

        <div class="card-header text-center bg-primary text-white">

          <h2>Login form</h2>

        </div>

        <div class="card-body">

          <form action="login.php" method="post">

            <div class="form-group">

              <label for="username">Username</label>

              <input type="text" id="text" class="form-control" name="Username" />

            </div>

            <div class="form-group">

              <label for="password">Password</label>

              <input type="password" id="password" class="form-control" name="Password" />

            </div>

            <input type="Login" class="btn btn-primary w-100" value="Login" name="">

          </form>

        </div>

      </div>

    </div>

  </div>

<?php

echo "<h2></h2>";

echo $username;

echo "<br>";

echo $password;

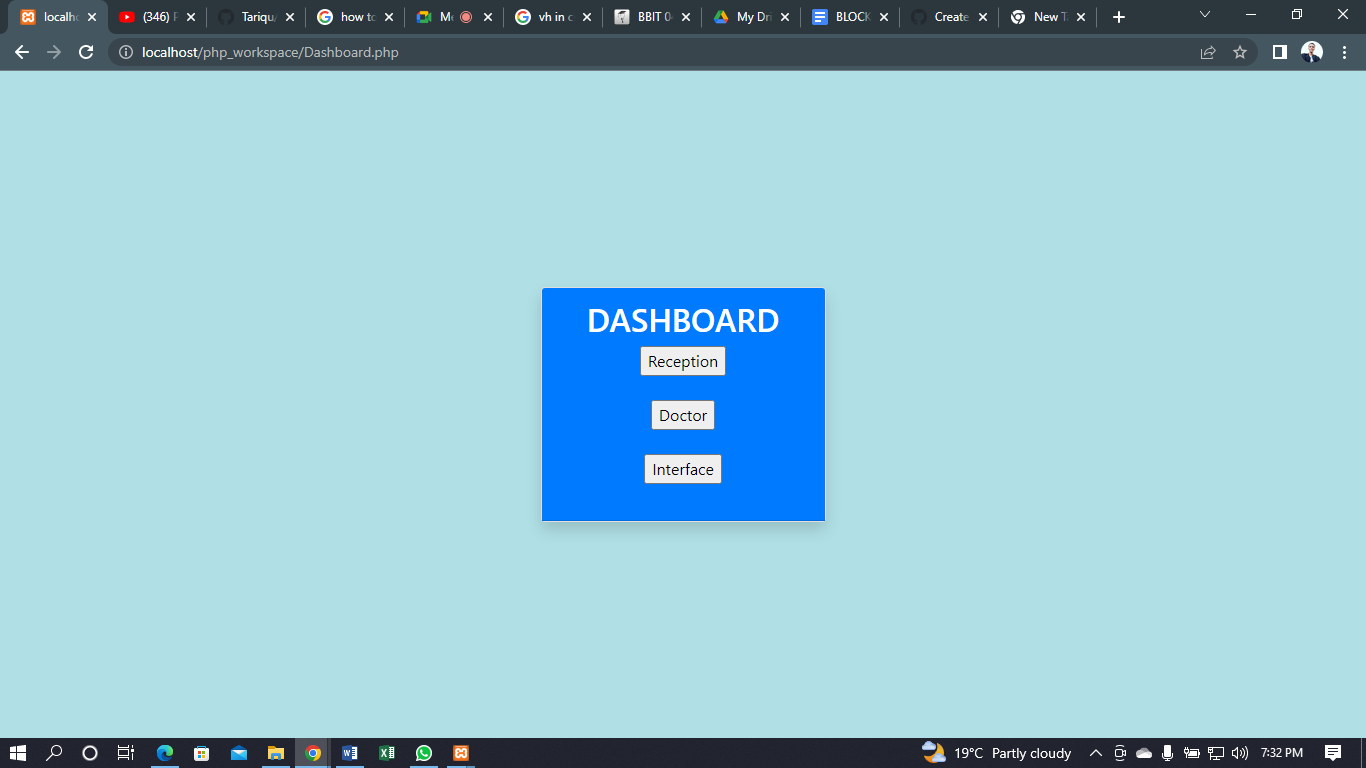
?>

</div>

</body>

</html>

DASHBOARD INTERFACE



CODE

<!DOCTYPE HTML>

<html>

<head>

<link rel="stylesheet" type="text/css" href="css/bootstrap.css">

<style>

    .class {

       display:flex;

       font size: 20px;

       margin: right 20px;

    }

</style>

</head>

<body style='background-color: powderblue;'>

<?php

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<div class="container vh-100">

<div class="row justify-content-center h-100">

  <div class="card w-25 my-auto shadow">

    <div class="card-header text-center bg-primary text-white">

    <h2>DASHBOARD</h2>

  <input type="button" name="Reception" value="Reception">

  <br><br>

  <input type="button" name="doctor" value="Doctor">

  <br><br>

  <input type="button" name="interface" value="Interface">

  <br><br>

</form>

</div>

  </div>

</div>

</div>

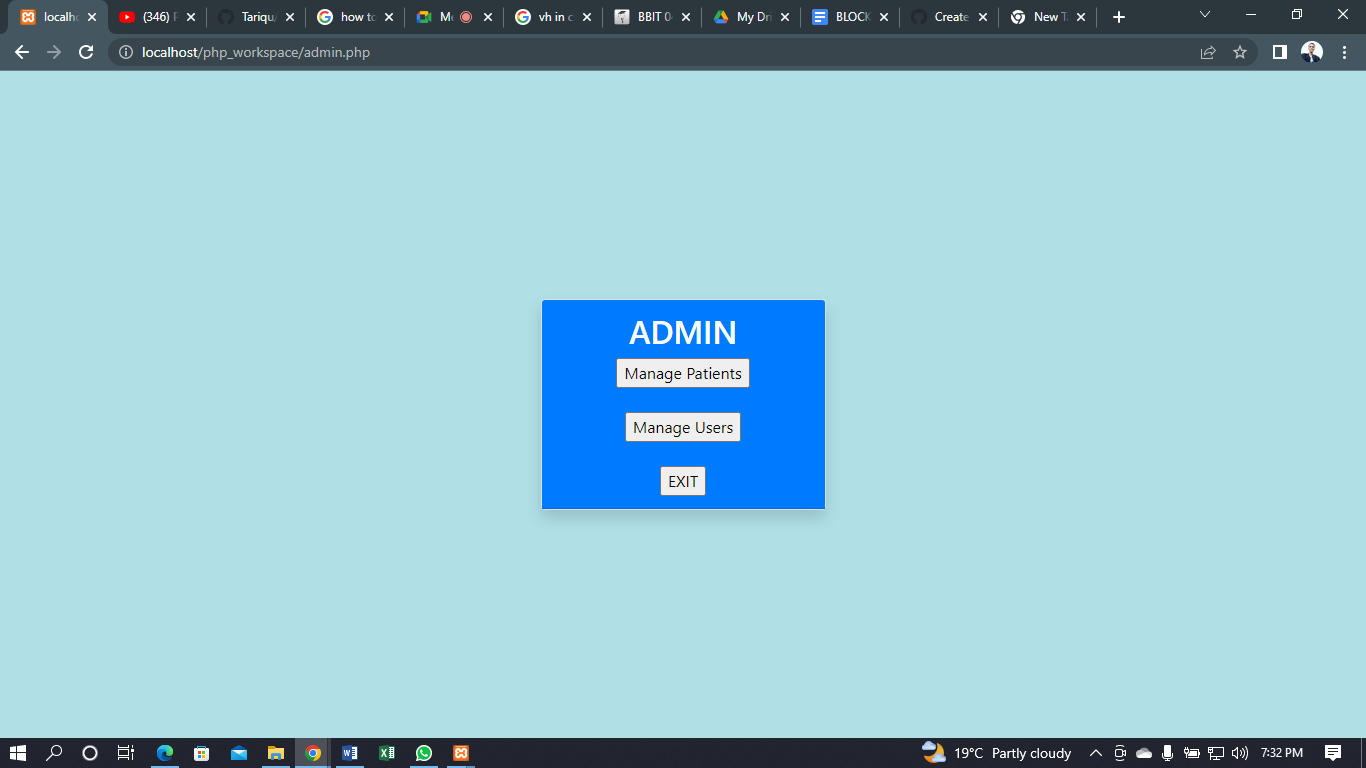
<?php

?>

</body>

</html>

ADMIN INTERFACE



CODE

<!DOCTYPE HTML>

<html>

<head>

<link rel="stylesheet" type="text/css" href="css/bootstrap.css">

<style>

    .class {

       display:flex;

       font size: 20px;

       margin: right 20px;

       alignment: center;

    }

</style>

</head>

<body style='background-color: powderblue;'>

<?php

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<div class="container vh-100">

    <div class="row justify-content-center h-100">

      <div class="card w-25 my-auto shadow">

        <div class="card-header text-center bg-primary text-white">

<h2>ADMIN</h2>

  <input type="button" name="Manage Patients" value="Manage Patients">

  <br><br>

  <input type="button" name="Manage Users" value="Manage Users">

  <br><br>

  <input type="button" name="EXIT" value="EXIT">

</form>

        </div>

      </div>

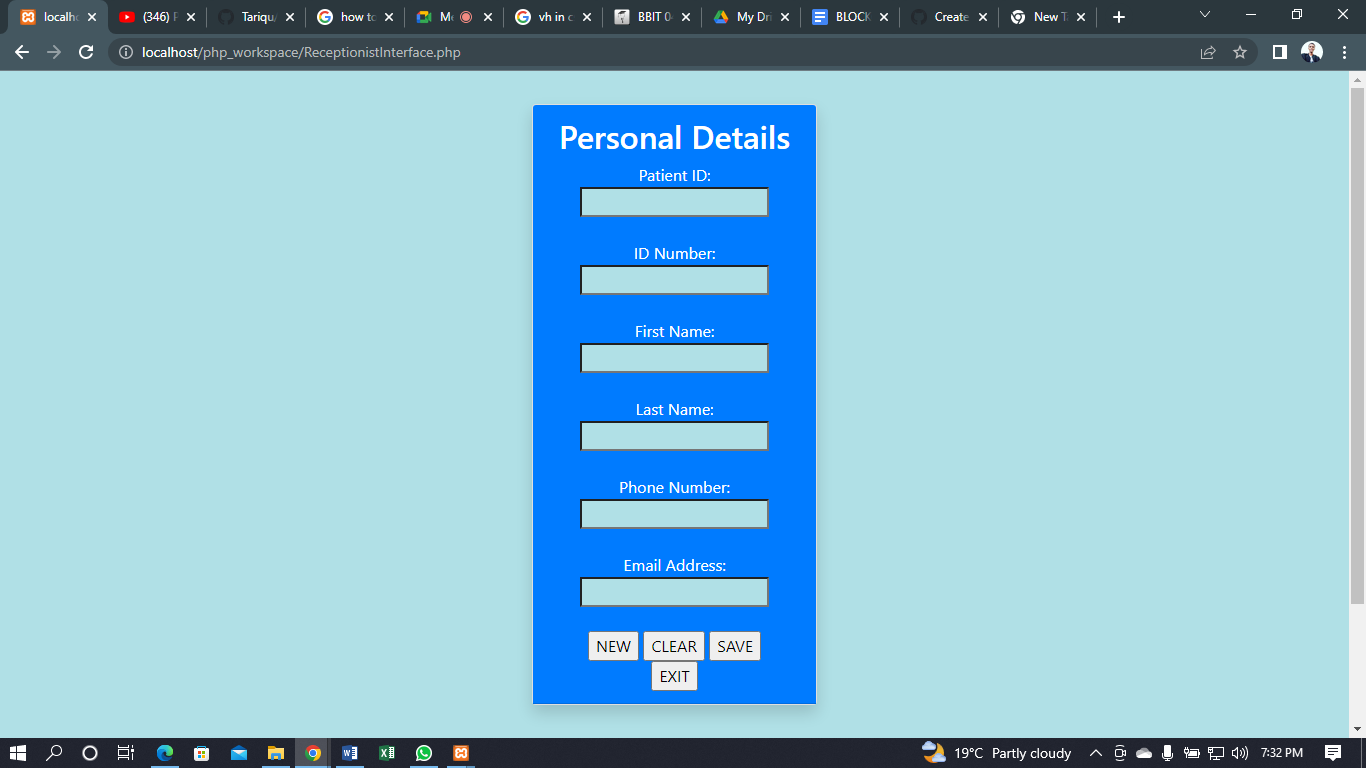
    </div>

</div>

</body>

</html>

RECEPTION INTERFACE



CODE

<!DOCTYPE HTML>

<html>

<head>

<link rel="stylesheet" type="text/css" href="css/bootstrap.css">

<style>

</style>

</head>

<body style='background-color: powderblue;'>

<?php

// define variables and set to empty values

$patientidErr = $idnumberErr = $firstnameErr= $lastnameErr= $phonenumberErr= $emailaddressErr="";

$patientid = $idnumber = $firstname=  $lastname= $phonenumber= $emailaddress= $new= $clear= $save= $exit = "";

  if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["Staff ID"])) {

      $patientidErr = "Patient ID is required";

    } else {

      $patientid= test\_input($\_POST["Patient ID"]);

      if (!preg\_match("/^[a-zA-Z-' ]\*$/",$patientid)) {

        $patientErr = "Only letters and white space allowed";

      }

       }

    }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

      if (empty($\_POST["id number"])) {

        $IdnumberErr = "id number is required";

      } else {

        $idnumber = test\_input($\_POST["id number"]);

        if (!preg\_match('/^\d+$/',$idnumber)) {

          $IdnumberErr = "Only numbers and white space allowed";

        }

         }

      }

      if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

        if (empty($\_POST["firstname"])) {

          $firstnameErr = "First Nameis required";

        } else {

          $firstnameid= test\_input($\_POST["First Name"]);

          if (!preg\_match("/^[a-zA-Z-' ]\*$/",$firstname)) {

            $FirstnameErr = "Only letters and white space allowed";

          }

           }

        }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["Last Name"])) {

      $lastnameErr = "last name is required";

    } else {

      $lastname = test\_input($\_POST["Last Name"]);

      if (!preg\_match('/^\d+$/',$lastname)) {

      $lastnameErr = "Only numbers and white space allowed";

      }

       }

    }

        if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

            if (empty($\_POST["Phone Number"])) {

              $phonenumberErr = "Phone Number is required";

            } else {

              $phonenumber = test\_input($\_POST["Phone Number"]);

              if (!preg\_match('/^\d+$/',$phonenumber)) {

                $phonenumberErr = "Only numbers and white space allowed";

              }

               }

            }

            if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

                if (empty($\_POST["Email Address"])) {

                  $emailaddressErr = "Email Address is required";

                } else {

                  $emailaddress = test\_input($\_POST["Email Address"]);

                  if (!preg\_match('/^\d+$/',$emailaddress)) {

                    $emailaddressErr = "Only numbers and white space allowed";

                  }

                   }

                }

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<div class="container vh-100">

    <div class="row justify-content-center h-100">

      <div class="card w-25 my-auto shadow">

        <div class="card-header text-center bg-primary text-white">

<h2>Personal Details</h2>

<div class="container">

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

  Patient ID: <input type="varchar" name="patient id" value="<?php echo $patientid;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $patientidErr;?></span>

  <br><br>

  ID Number: <input type="number" name="idnumber" value="<?php echo $idnumber;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $idnumberErr;?></span>

  <br><br>

  First Name: <input type="text" name="firstname" value="<?php echo $firstname;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $firstnameErr;?></span>

  <br><br>

  Last Name: <input type="text" name="name" value="<?php echo $lastname;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $lastnameErr;?></span>

  <br><br>

  Phone Number: <input type="number" name="phonenumber" value="<?php echo $phonenumber;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $phonenumberErr;?></span>

  <br><br>

  Email Address: <input type="varchar" name="email" value="<?php echo $emailaddress;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $emailaddressErr;?></span>

  <br><br>

  <input type="submit" name="save" value="NEW">

  <input type="submit" name="save" value="CLEAR">

  <input type="submit" name="save" value="SAVE">

  <input type="submit" name="save" value="EXIT">

</form>

</div>

        </div>

      </div>

    </div>

<?php

echo "<h2></h2>";

echo $patientid;

echo "<br>";

echo $idnumber;

echo "<br>";

echo $firstname;

echo "<br>";

echo $lastname;

echo "<br>";

echo $phonenumber;

echo "<br>";

echo $emailaddress;

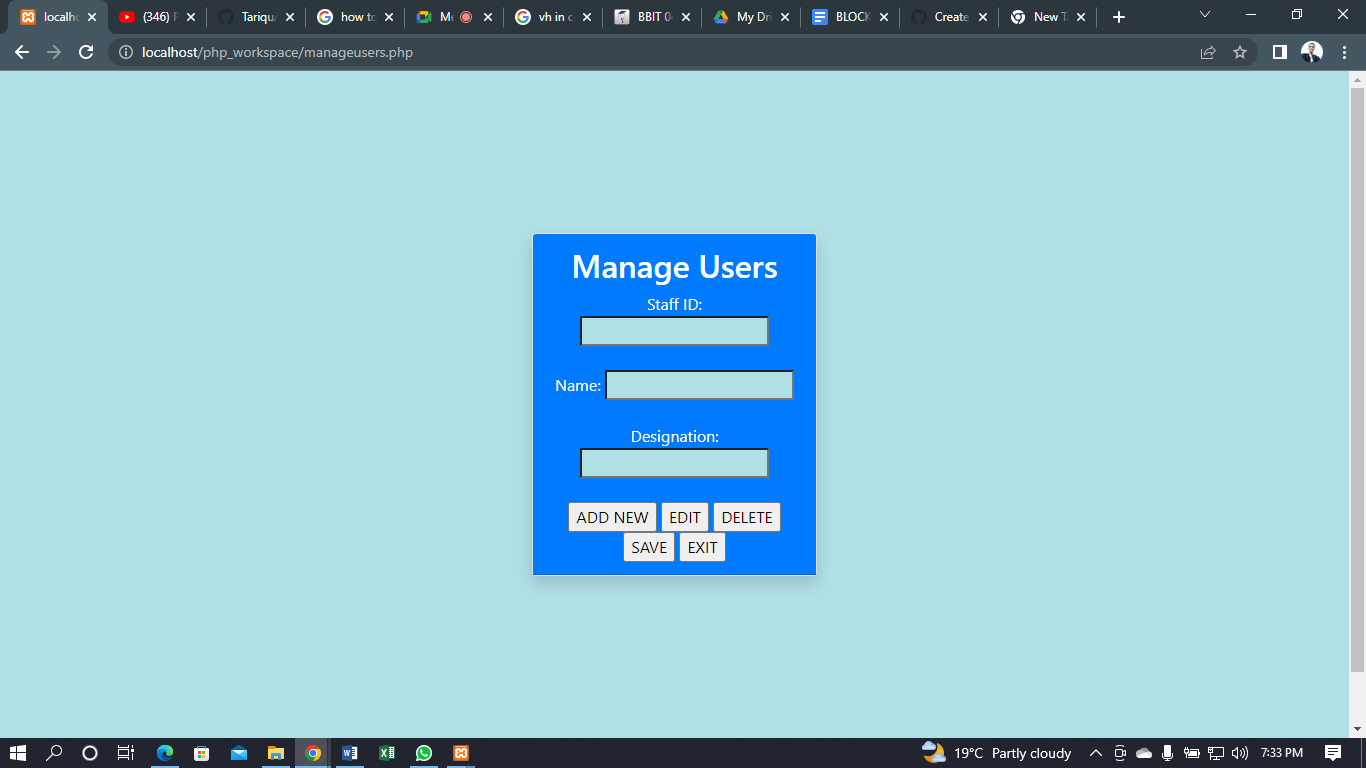
echo "<br>";

?>

</body>

</html>

MANAGE USERS INTERFACE



CODE

<!DOCTYPE HTML>

<html>

<head>

<link rel="stylesheet" type="text/css" href="css/bootstrap.css">

<style>

</style>

</head>

<body style='background-color: powderblue;'>

<?php

session\_start();

error\_reporting(0);

include('includes/dbconnection.php');

if(isset($\_POST['save']))

  {

    $staffid=$\_POST['Staff ID'];

    $name=$\_POST['Name'];

   $designation=$\_POST['Designation'];

    $query=mysqli\_query($con, "insert into user(Staff ID,Name,Designation)Value('$staffid','$name','$designation')");

  }

    if ($query) {

echo "<script>alert('User has been added.');</script>";

 } else {

echo "<script>alert('Something Went Wrong. Please try again.');</script>";

}

?>

<?php

// define variables and set to empty values

$staffidErr = $nameErr = $designationErr= "";

$staffid = $name = $designation=  $addnew= $edit= $delete= $save= $exit= "";

  if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["Staff ID"])) {

      $staffidErr = "Staff ID is required";

    } else {

      $staffid= test\_input($\_POST["Staff ID"]);

      if (!preg\_match("/^[a-zA-Z-' ]\*$/",$firstname)) {

        $staffidErr = "Only letters and white space allowed";

      }

       }

    }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

      if (empty($\_POST["name"])) {

        $nameErr = "name is required";

      } else {

        $name = test\_input($\_POST["name"]);

        if (!preg\_match('/^\d+$/',$name)) {

          $nameErr = "Only numbers and white space allowed";

        }

         }

      }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["Designation"])) {

      $designationErr = "designation is required";

    } else {

      $designation = test\_input($\_POST["Designation"]);

      if (!preg\_match('/^\d+$/',$designation)) {

      $designationErr = "Only numbers and white space allowed";

      }

       }

    }

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<div class="container vh-100">

    <div class="row justify-content-center h-100">

      <div class="card w-25 my-auto shadow">

        <div class="card-header text-center bg-primary text-white">

<h2>Manage Users</h2>

<form method="post" action="connection.php" method="post">

  Staff ID: <input type="text" name="staff id" value="<?php echo $staffid;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $staffidErr;?></span>

  <br><br>

  Name: <input type="text" name="name" value="<?php echo $name;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $nameErr;?></span>

  <br><br>

  Designation: <input type="text" name="designation" value="<?php echo $designation;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $designationErr;?></span>

  <br><br>

  <input type="submit" name="save" value="ADD NEW">

  <input type="button" name="exit" value="EDIT">

  <input type="submit" name="save" value="DELETE">

  <input type="submit" name="save" value="SAVE">

  <input type="submit" name="save" value="EXIT">

</form>

        </div>

      </div>

    </div>

</div>

<?php

echo "<h2></h2>";

echo $staffid;

echo "<br>";

echo $name;

echo "<br>";

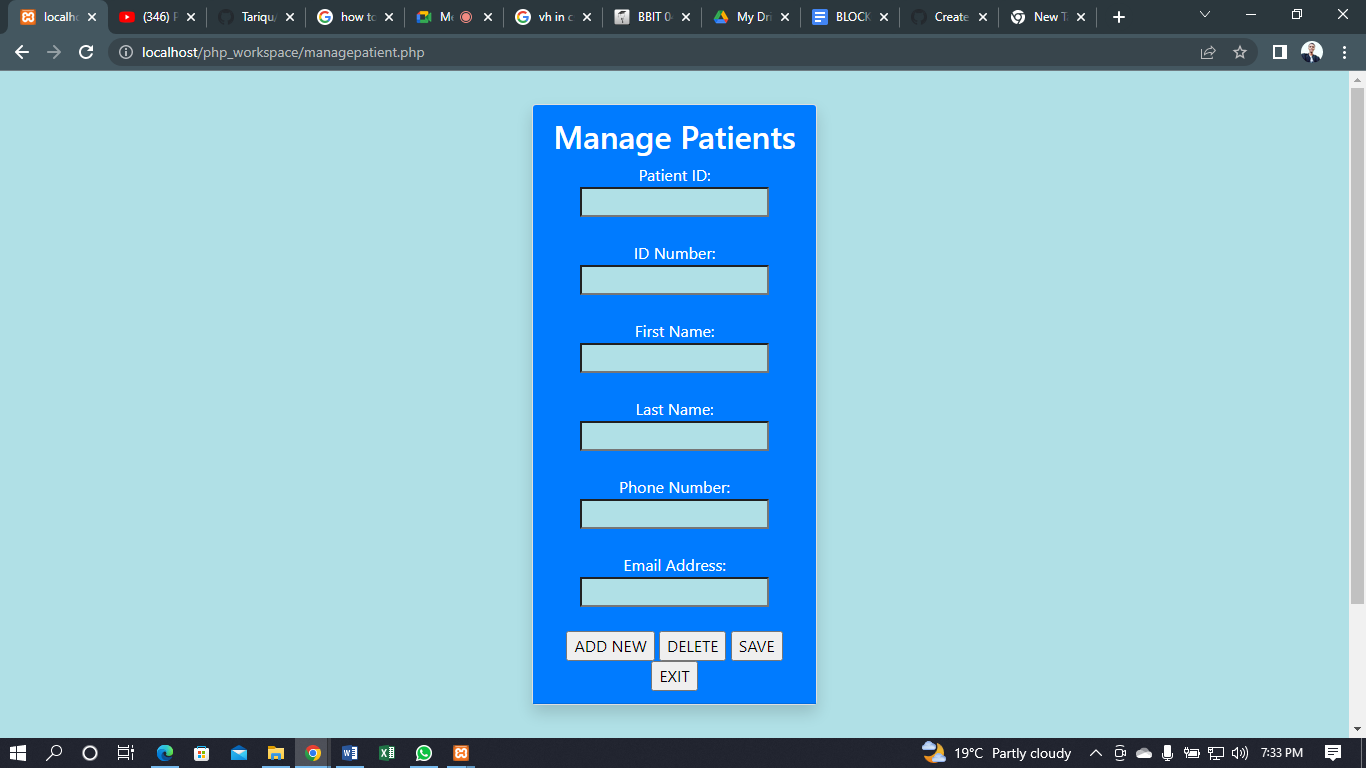
echo $designation;

?>

</body>

</html>

MANAGE PATIENT INTERFACE



CODE

<!DOCTYPE HTML>

<html>

<head>

<link rel="stylesheet" type="text/css" href="css/bootstrap.css">

<style>

</style>

</head>

<body style='background-color: powderblue;'>

<?php

// define variables and set to empty values

$patientidErr = $idnumberErr = $firstnameErr= $lastnameErr= $phonenumberErr= $emailaddressErr="";

$patientid = $idnumber = $firstname=  $lastname= $phonenumber= $emailaddress= $addnew= $delete= $save= $exit = "";

  if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["Staff ID"])) {

      $patientidErr = "Patient ID is required";

    } else {

      $patientid= test\_input($\_POST["Patient ID"]);

      if (!preg\_match("/^[a-zA-Z-' ]\*$/",$patientid)) {

        $patientErr = "Only letters and white space allowed";

      }

       }

    }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

      if (empty($\_POST["id number"])) {

        $IdnumberErr = "id number is required";

      } else {

        $idnumber = test\_input($\_POST["id number"]);

        if (!preg\_match('/^\d+$/',$idnumber)) {

          $IdnumberErr = "Only numbers and white space allowed";

        }

         }

      }

      if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

        if (empty($\_POST["firstname"])) {

          $firstnameErr = "First Nameis required";

        } else {

          $firstnameid= test\_input($\_POST["First Name"]);

          if (!preg\_match("/^[a-zA-Z-' ]\*$/",$firstname)) {

            $FirstnameErr = "Only letters and white space allowed";

          }

           }

        }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["Last Name"])) {

      $lastnameErr = "last name is required";

    } else {

      $lastname = test\_input($\_POST["Last Name"]);

      if (!preg\_match('/^\d+$/',$lastname)) {

      $lastnameErr = "Only numbers and white space allowed";

      }

       }

    }

        if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

            if (empty($\_POST["Phone Number"])) {

              $phonenumberErr = "Phone Number is required";

            } else {

              $phonenumber = test\_input($\_POST["Phone Number"]);

              if (!preg\_match('/^\d+$/',$phonenumber)) {

                $phonenumberErr = "Only numbers and white space allowed";

              }

               }

            }

            if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

                if (empty($\_POST["Email Address"])) {

                  $emailaddressErr = "Email Address is required";

                } else {

                  $emailaddress = test\_input($\_POST["Email Address"]);

                  if (!preg\_match('/^\d+$/',$emailaddress)) {

                    $emailaddressErr = "Only numbers and white space allowed";

                  }

                   }

                }

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<div class="container vh-100">

    <div class="row justify-content-center h-100">

      <div class="card w-25 my-auto shadow">

        <div class="card-header text-center bg-primary text-white">

<h2>Manage Patients</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

  Patient ID: <input type="varchar" name="patient id" value="<?php echo $patientid;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $patientidErr;?></span>

  <br><br>

  ID Number: <input type="number" name="idnumber" value="<?php echo $idnumber;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $idnumberErr;?></span>

  <br><br>

  First Name: <input type="text" name="firstname" value="<?php echo $firstname;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $firstnameErr;?></span>

  <br><br>

  Last Name: <input type="text" name="name" value="<?php echo $lastname;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $lastnameErr;?></span>

  <br><br>

  Phone Number: <input type="number" name="phonenumber" value="<?php echo $phonenumber;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $phonenumberErr;?></span>

  <br><br>

  Email Address: <input type="varchar" name="email" value="<?php echo $emailaddress;?>" style='background-color: powderblue;'>

  <span class="error"><?php echo $emailaddressErr;?></span>

  <br><br>

  <input type="submit" name="save" value="ADD NEW">

  <input type="submit" name="save" value="DELETE">

  <input type="submit" name="save" value="SAVE">

  <input type="submit" name="save" value="EXIT">

</form>

        </div>

      </div>

    </div>

</div>

<?php

echo "<h2></h2>";

echo $patientid;

echo "<br>";

echo $idnumber;

echo "<br>";

echo $firstname;

echo "<br>";

echo $lastname;

echo "<br>";

echo $phonenumber;

echo "<br>";

echo $emailaddress;

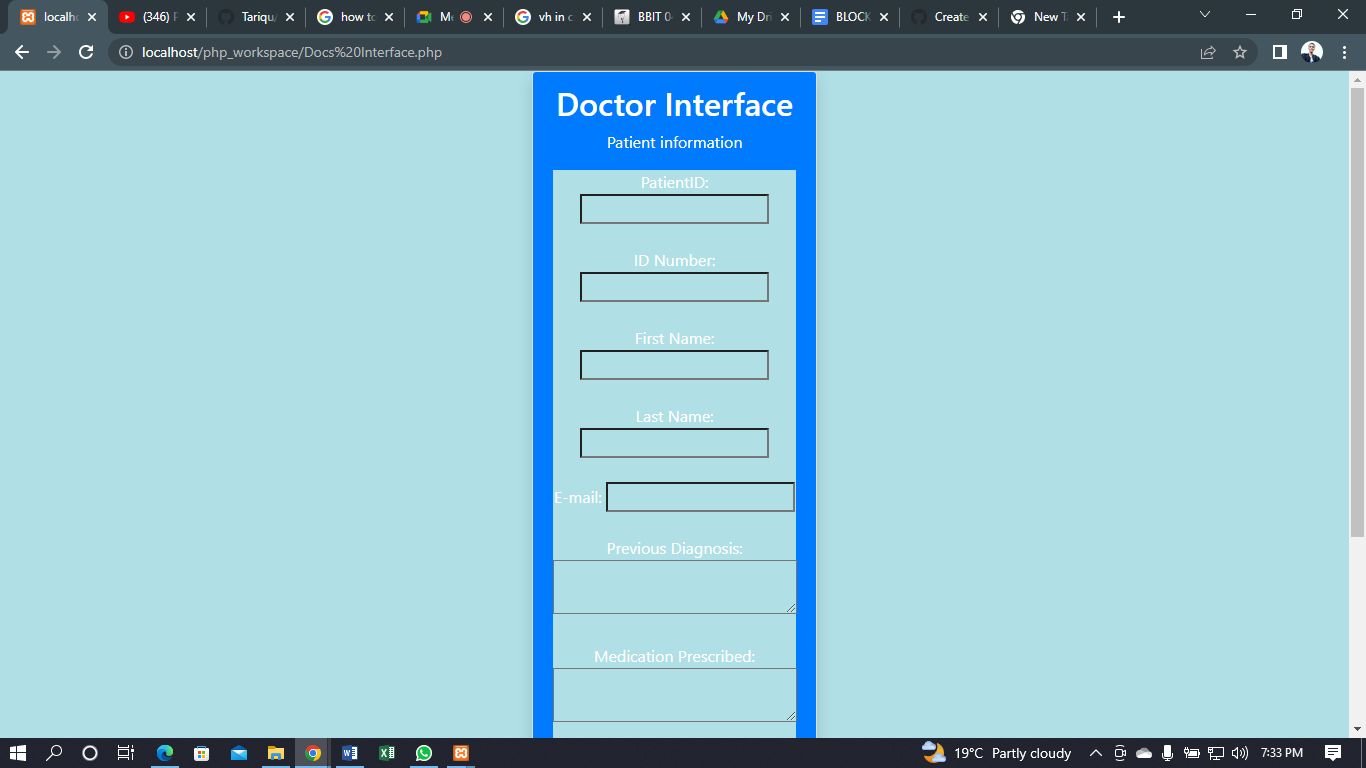
echo "<br>";

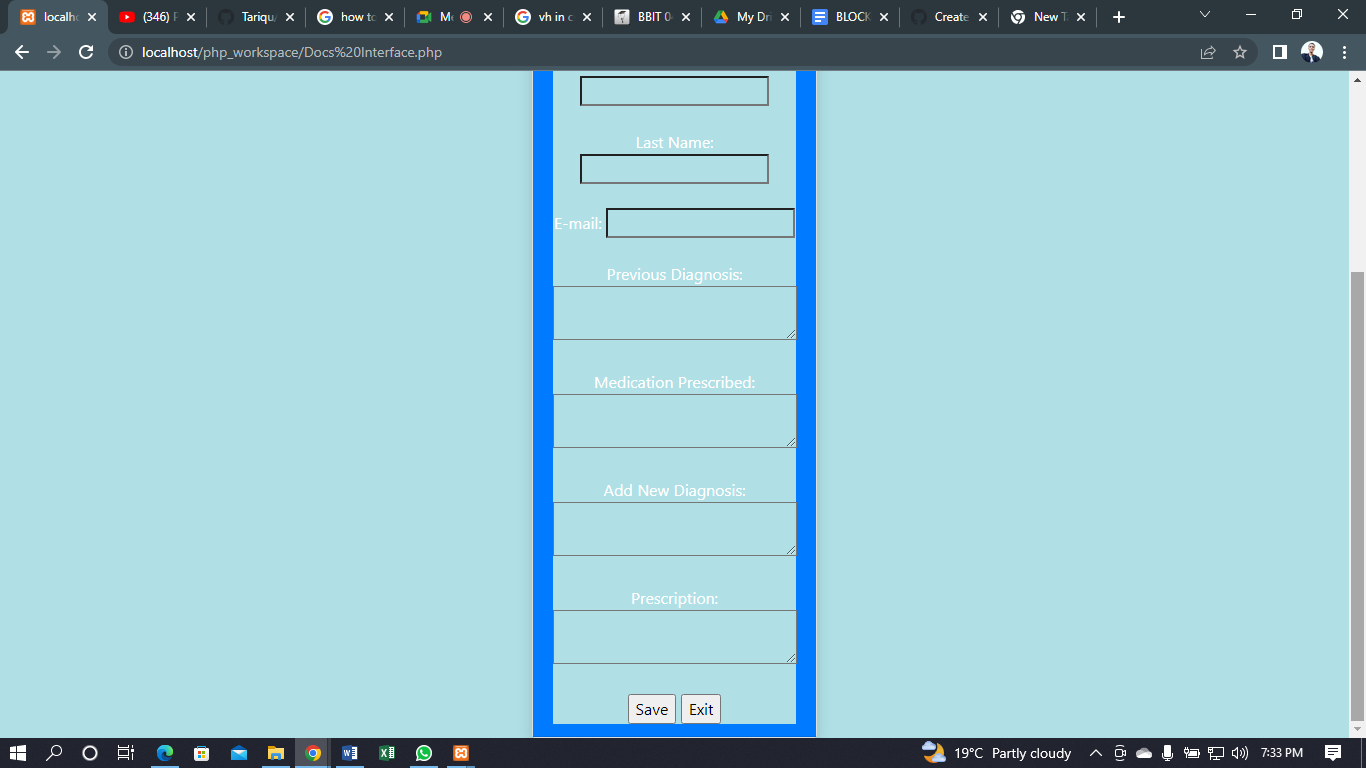
?>

</body>

</html>

DOCTORS INTERACE





CODE

<!DOCTYPE HTML>

<html>

<head>

<link rel="stylesheet" type="text/css" href="css/bootstrap.css">

<style>

</style>

</head>

<body style='background-color: powderblue;'>

<?php

// define variables and set to empty values

$patientidErr = $idnumberErr = $firstnameErr =$lastnameErr = $phonenumberErr = $emailErr ="";

$patientid = $idnumber = $firstname =$lastname = $phonenumber = $email = $previousdiagnosis = $medicationprescribed = $addnewdiagnosis = $prescription = $save = $exit = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

  if (empty($\_POST["patientid"])) {

    $nameErr = "PatientID is required";

  } else {

    $name = test\_input($\_POST["name"]);

    // check if patientid only contains numbers and whitespace

    if (!preg\_match('/^\d+$/',$patientid)) {

      $patientidErr = "Only numbers and white space allowed";

    }

     }

  }

  if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["idnumber"])) {

      $idnumber = "ID Number is required";

    } else {

      $idnumber= test\_input($\_POST["id number"]);

      // check if idnumber only contains numbers and whitespace

      if (!preg\_match('/^\d+$/',$idnumber)) {

        $idnumberErr = "Only numbers and white space allowed";

      }

       }

    }

  if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["firstname"])) {

      $firstnameErr = "First Name is required";

    } else {

      $firstname = test\_input($\_POST["firstname"]);

      // check if first name only contains letters and whitespace

      if (!preg\_match("/^[a-zA-Z-' ]\*$/",$firstname)) {

        $firstnameErr = "Only letters and white space allowed";

      }

       }

    }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

      if (empty($\_POST["lastname"])) {

        $lastnameErr = "Last Name is required";

      } else {

        $name = test\_input($\_POST["lastname"]);

        // check if name only contains letters and whitespace

        if (!preg\_match("/^[a-zA-Z-' ]\*$/",$lastname)) {

          $lastnameErr = "Only letters and white space allowed";

        }

         }

      }

  if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (empty($\_POST["phonenumber"])) {

      $phonenumberErr = "Phone number is required";

    } else {

      $phonenumberErr = test\_input($\_POST["phone number"]);

      // check if phone number only contains numbers and whitespace

      if (!preg\_match('/^\d+$/',$phonenumber)) {

        $phonenumberErr = "Only numbers and white space allowed";

      }

        }

    }

  if (empty($\_POST["email"])) {

    $emailErr = "";

  } else {

    $email = test\_input($\_POST["email"]);

    // check if e-mail address is well-formed

    if (!filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

      $emailErr = "Invalid email format";

    }

  }

  if (empty($\_POST["previousdiagnosis"])) {

    $previousdiagnosis = "";

  } else {

    $previousdiagnosis = test\_input($\_POST["previous diagnosis"]);

  }

  if (empty($\_POST["medicationprescribed"])) {

    $medicationprescribed = "";

  } else {

    $medicationprescribed = test\_input($\_POST["medication prescribed"]);

  }

  if (empty($\_POST["addnewdiagnosis"])) {

    $addnewdiagnosis = "";

  } else {

    $addnewdiagnosis = test\_input($\_POST["add new diagnosis"]);

  }

  if (empty($\_POST["prescription"])) {

    $prescription = "";

  } else {

    $prescription = test\_input($\_POST[""]);

  }

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<div class="container vh-100">

    <div class="row justify-content-center h-100">

      <div class="card w-25 my-auto shadow">

        <div class="card-header text-center bg-primary text-white">

<h2>Doctor Interface</h2>

<p><span class="error"> Patient information</span></p>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" style='background-color: powderblue;'>

  PatientID: <input type="integer" name="patientid" value="<?php echo $patientid;?>" style='background-color: powderblue;'>

  <span class="error"> <?php echo $patientidErr;?></span>

  <br><br>

  ID Number: <input type="integer" name="idnumber" value="<?php echo $idnumber;?>" style='background-color: powderblue;'>

  <span class="error"> <?php echo $idnumberErr;?></span>

  <br><br>

  First Name: <input type="text" name="firstname" value="<?php echo $firstname;?>" style='background-color: powderblue;'>

  <span class="error"> <?php echo $firstnameErr;?></span>

  <br><br>

  Last Name: <input type="text" name="lastname" value="<?php echo $lastname;?>" style='background-color: powderblue;'>

  <span class="error"> <?php echo $lastnameErr;?></span>

  <br><br>

  E-mail: <input type="text" name="email" value="<?php echo $email;?>" style='background-color: powderblue;'>

  <span class="error"> <?php echo $emailErr;?></span>

  <br><br>

  Previous Diagnosis: <br><textarea name="previousdiagnosis" rows="2" cols="30" style='background-color: powderblue;'><?php echo $previousdiagnosis;?></textarea>

  <br><br>

  Medication Prescribed: <br><textarea name="medicationprescribed" rows="2" cols="30" style='background-color: powderblue;'><?php echo $medicationprescribed;?></textarea>

  <br><br>

  Add New Diagnosis: <br><textarea name="diagnosis" rows="2" cols="30" style='background-color: powderblue;'><?php echo $addnewdiagnosis;?></textarea>

  <br><br>

  Prescription: <br><textarea name="prescription" rows="2" cols="30" style='background-color: powderblue;'><?php echo $prescription;?></textarea>

  <br><br>

  <input type="submit" name="save" value="Save">

  <input type="button" name="exit" value="Exit">

</form>

        </div>

      </div>

    </div>

</div>

<?php

echo "<h2></h2>";

echo $patientid;

echo "<br>";

echo $idnumber;

echo "<br>";

echo $firstname;

echo "<br>";

echo $lastname;

echo "<br>";

echo $phonenumber;

echo "<br>";

echo $email;

?>

</body>

</html>