

3105 Final Report

# 3105 Team Project

*Med Geeks*

*Team 8*

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## Project Overview

The group, “Med Geeks,” created a medical company called Med Tech Solutions. This is a simulated Doctors office, where the receptionist enters new patients or new staff into a database. Once the new user is entered into a database the receptionist grants the users access to different parts of the Med Tech Solutions website, based on their position. Being entered in as a receptionist grants the receptionist complete control to access, modify or view the entire database once they logged in to the website. If the person is entered into the database as a patient, the patient has access to the patient part of the website once they logged in.

The website is divided into zones. If the user is entered in as a doctor, they would be directed to the doctor part of the website once they have logged in. The three restricted access zones (Receptionist, Patient, & Doctor) each have different functions pertaining to each type of user. There is also a zone for general navigation, where a login is not required. This general navigation zone is the default home page when one first visits the Med Tech Solutions web site. There is also a video search implemented so that users can search for beneficial health and exercise videos. In addition to the video search, our website also reads and writes to a text file (.txt file). The website reads from a “poster,” which contains the original staff that was hired by Med Tech Solutions when it first opened its practice. Every time someone visits the “poster.php” page of our website, our website queries the database to write to “poster.txt” (stored on the server), with the current staff, which has most likely changed since the practice opened.

We used MVC model to separate data into different categories from how the users can interact with it. The model folder creates a connection to the database, which incorporates an error message if there is a problem connecting to the database. The files in the view folder are specific to which user is logged in and what they have access to. By logging in, it creates a session; if one is not logged in with the correct user type, it clears the session and then destroys it, followed by bringing them back to the home page. The controller folder is what everyone has access to. This means that you do not have to be logged in to access these files and anyone can view them.

The PHP on the website implements include statements, which includes and executes a specified file. Some common include files for this website would be headers, footers, and navigation bars. Med Geeks also implemented a require statement for connecting to the database, so that when a connection is needed to a database, it has to be there or the program will quit.

## PHP Code

*\*\*In the sections below the file path will be displayed first, screenshots of the website will be next, followed by a screenshot of the code. The description will be featured last, following the items previously described.\*\**

### Root directory

The root directory only holds the basic index, header and footer files. The **index.php** is a redirect script to redirect the user to the **controller/index.php** page.



```
1 ┌─ <?php
2
3      //this is simply a redirect page to direct to the index file inside of the controller
4      //folder where the beginning of the website is located.
5
6      header('Location: https://www.beardedpatriot.com/project/controller/index.php');
7 ?><!-- index.php -->
```

index.php is just a redirect page that redirects to the controller folder. The PHP redirects the page to **controller/index.php**. There aren't any include files for the header, footer or navigation.

```
1 ┌─ <div id="footer">
2   <?php
3     //create string to display a copyright icon in our footer
4     $str = 'Copyright Med Geeks ';
5     $str2 = '&copy; ';
6     echo $str2;
7     echo $str;
8     echo date('Y');
9
10    ?>
11  </div>
12  </body>
13 </html><!-- root/Footer.php -->
```

Footer.php is an include file. This file provides a consistent footer for the website. A copyright symbol is also inserted into the footer with the year date.

```

1 <?php
2 session_start();
3 ?>
4 <html>
5   <head>
6     <link rel="stylesheet" type="text/css" href="../style.css" />
7   </head>
8
9
10 <body>
11   <div id="banner">
12     <a href="/">
13       
14     </a>
15   </div>
16
17   <?php
18
19
20   // make sure the page uses a secure connection
21   //if it is not a secure conenction, it will force users to connect securely
22   if (!isset($_SERVER['HTTPS']))
23   {
24     $url = 'https://'.
25     $_SERVER['HTTP_HOST'] .
26     $_SERVER['REQUEST_URI'];
27     header("Location: " . $url);
28     exit();
29   }
30 ?><!-- Header.php -->

```

Header.php is also an include file. This file sets up a secure HTTPS connection to the web site, in addition to displaying the banner and logo picture. (figure 1.2)

---

The style.css is our Cascading Style Sheet is also in the root directory. This provides a common style for the website that is consistent with all the pages on the site. It is stored in the root directory so that it is easily accessible by all of the pages in the website.

## Controller

### contact.php

The screenshot shows a contact form titled "Contact Us". The form consists of three input fields: "Name:", "Email:", and "Message:". Each field has a placeholder text: "Type name here.", "Type email here.", and "Type message here". Below the message field is a "submit" button.

```

1 <?php
2     include("../Header.php");
3     include("../nav/genNav.php");
4 ?>
5 <div id="content1">
6     <br/>
7
8     <h1>Contact Us</h1>
9
10 <div id="contact">
11     <form name="contact" method="post" action="contact.php">
12         <label style="margin-left: -385px">Name:</label>
13         <input name="name" placeholder="Type name here."/>
14
15         <label style="margin-left: -380px">Email:</label>
16         <input name="email" type="email" placeholder="Type email here."/>
17
18         <label style="margin-left: -360px">Message:</label>
19         <textarea name="message" placeholder="Type message here"></textarea>
20         <br/><br/>
21
22         <input id="submit" type="submit" name="submit" value="submit"/>
23     </form>
24 </div>
25 <?php
26 //process the form for the data
27 $name = $_POST['name'];
28 $email = $_POST['email'];
29 $message = $_POST['message'];
30
31 //set email parameters
32 $subject = 'Contact Form Result';
33 $from = $email;
34 $to = 'whunt7@uncc.edu';
35 $headers = "From: zbaumann@uncc.edu";
36 $bodyEmail = "From: $name\n Email: $email\n Message:\n $message";
37 mail($to, $subject, $message, $headers);
38
39 <br/>
40 </div>
41 <?php include("../Footer.php");?><!-- contact.php -->
42

```

This file has three include files, the **Header.php**, **Footer.php** & **genNav.php**. The HTML code is set up to create a form as seen above. The fields Name, Email, and Message will get posted to the server via the “post” method. The fields \$name, \$email & \$message in the PHP code will process the form data. PHP will then go through the variables and send an email to one of the Med Tech Solutions staff members.

healthyEating.php

Home Services Contact Us Log In

### Quick Health Tips:

Breakfast really is the most important meal of the day! It boosts your metabolism, keeps you from binge eating, and can even get you in a better mood. Here are some recipes for different breakfast foods.

**Peanut Butter Waffle**



Boost your protein and fiber by grabbing a whole-grain or bran toaster waffle and spread 2 tablespoons of peanut butter on top. You can even add raisins, sesame seeds, or more peanuts for an extra boost of fiber!

**Strawberry Shake**

```

1 <?php
2     include("../Header.php");
3     include("../nav/genNav.php");
4 ?>
5 <div id="content1">
6     <br/>
7     <h2>Quick Health Tips:</h2>
8     <p>
9         Breakfast really is the most important meal of the day! It boosts
10        your metabolism, <br/>keeps you from binge eating, and can even get
11        you in a better mood. Here are some recipes <br/>for different breakfast foods:
12        <br/>
13        <h4>Peanut Butter Waffle</h4>
14        
15        <br/><br/>
16        Boost your protein and fiber by grabbing a whole-grain or bran toaster
17        waffle <br/>and spread 2 tablespoons of peanut butter on top. You can even add raisins,
18        sesame seeds, <br/>
19        or more peanuts for an extra boost of fiber!
20        <br/>
21        <h4>Strawberry Shake</h4>
22        
23        <br/><br/>
24        Combine a packet of instant-breakfast powder of vanilla or strawberry and 1
25        cup of low-fat strawberry soy milk. <br/>You can also use a blender to add frozen
26        strawberries, frozen bananas, or a scoop of protein powder, <br/>
27        such as GeniSoy Natural, for extra fiber!<br/>
28        <h4>Yummy Cereal</h4>
29        
30        <br/><br/>
31        A bowl of about 1 1/2 cups of fiber-rich bran flakes with 8 ounces of low-fat
32        milk makes for a great breakfast. <br/>If you're on the go, replace the milk
33        with lemon or vanilla yogurt. Increase the fiber and vitamins by adding 1/4 cup of nuts <br/>
34        or fresh or dried fruit, such as chopped pecans or blueberries.
35    </p>
36    <br/>
37 </div>
38
39 <?php include("../Footer.php");?><!-- end healthyEating.php-->
```

This file has three include files, the **Header.php**, **Footer.php** & **genNav.php**. This is in hard coded in HTML. This can be changed to add PHP similar to file **controller/poster.php** to read from a text file in the future. This page offers healthy eating tips for the patients.

## healthyExcercise.php

The screenshot shows a web page with a blue header bar containing 'Home', 'Services', 'Contact Us', and 'Log In' links. Below the header is a decorative banner of blue dots. The main content area has a white background. A section titled 'Quick Exercise Tips' is displayed, featuring a paragraph about the benefits of regular exercise and a heading 'One-Legged Squat Reach'. An image of a woman performing the exercise is shown. Below the image are three numbered steps describing the movement.

We know, we know - you're too busy or tired to work out every day. But people who exercise regularly are healthier, feel happier, and have more energy than those who don't. Try these quick tips at home to get a bit of exercise in your day.

**One-Legged Squat Reach**



1. Stand on left leg with right foot a few inches off ground near left ankle.
2. Bend left leg about 90 degrees, keeping back straight and reaching right hand to outside of left foot.
3. Return to start. Continue for 30 seconds (or 15 reps), then switch sides and repeat for 30 seconds.

```
1 <?php
2     include("../Header.php");
3     include("../nav/genNav.php");
4 ?>
5
6 <div id="content1">
7     <br/>
8     <p>
9     <h2>Quick Exercise Tips</h2>
10    We know, we know - you're too busy or tired to work out every day. But people who
11        exercise regularly are healthier, <br/>feel happier, and have more energy than those
12        who don't. Try these quick tips at home to get a <br/>bit of exercise in your day:
13        <h4>One-Legged Squat Reach</h4>
14        
15        <br/>
16        1. Stand on left leg with right foot a few inches off ground near left ankle. <br/>
17        2. Bend left leg about 90 degrees, keeping back straight and reaching right hand to outside of left foot. <br/>
18        3. Return to start. Continue for 30 seconds (or 15 reps), then switch sides and repeat for 30 seconds.
19        <h4>Liftoff</h4>
20        
21        <br/>
22        1. Stand with feet together, arms by sides. <br/>
23        2. Hinge forward from hips until back is parallel to ground, arms extended down. <br/>
24        3. Simultaneously lift left leg behind you and raise arms directly out to sides. <br/>
25        4. Maintaining hinge position, lower arms and leg so that they are a few inches off ground; <br/>
26            | repeat for 1 minute. Switch legs for next circuit.
27        <h4>Pendulum</h4>
28        
29        <br/>
30        1. Balance on right leg, left leg bent and raised behind you slightly. With right hand on hip, <br/>
31            | lower into a squat on right leg and reach left hand toward right toes. <br/>
32        2. Rise up, keeping left foot off floor, and reach left arm forward. <br/>
33        3. Reach left arm overhead and lean back slightly as you extend left leg forward. Hold for 1 count, <br/>
34            | keeping abs tight, and then lean over to touch toes again. <br/>
35        4. Do 10 reps, then switch legs and repeat.
36    </p>
37    <br/>
38 </div>
39
40 <?php include("../Footer.php");?><!-- end healthyExercise.php-->
```

This file has three include files, the **Header.php**, **Footer.php** & **genNav.php**. This is in hard coded in HTML. This can be changed to add PHP similar to file **controller/poster.php** to read from a text file in the future. This page offers exercise tips for patients.

Welcome!

Welcome to Med Tech Solutions! As a premier healthcare organization, we are here to make your life easier by inspiring great health. Whether it be creating a patient profile, scheduling a doctor's appointment, or other medicals needs, we've got it! We invite you to navigate through our links at the top of the page to learn more about what specialties we have to offer.

© Copyright Med Geeks 2013

```
1 <?php
2     include("../Header.php");
3     include("../nav/genNav.php");
4 
5     <div id="content1">
6         <br/>
7         
8         <br/><br/><br/><br/>
9         <h1>Welcome!</h1>
10        <p>
11            Welcome to Med Tech Solutions! As a premier healthcare organization, we are here to make your
12            life easier <br/>by inspiring great health. Whether it be creating a patient profile, scheduling
13            a doctor's appointment, <br/>or other medicals needs, we've got it! We invite you to navigate
14            through our links at the top of the page to<br/>learn more about what specialties we have to offer.
15        </p>
16        <br/>
17    </div>
18 
19 <?php include("../Footer.php");?><!-- end index.php-->
```

This file has three include files, the **Header.php**, **Footer.php** & **genNav.php**. This is the index that is redirected from index in the root directory. This page has a general navigation bar that is used before logging into the site.

## login.php

Login

User ID  
(received this from receptionist):

Password:

```
1 <?php
2     include("../Header.php");
3     include("../nav/genNav.php");
4 ?>
5 <div id="content1">
6     <div id="login">
7         <form name="loginForm" action="../view/login_page.php" method="post">
8             <fieldset>
9                 <legend>Login</legend>
10                <center><label>User ID <br/>(received this from receptionist):
11                    |   <input type="text" name="username" class="input" size="9" maxlength="2"/>
12                </label></center>
13                <br/>
14                <center><label>Password: <br/>
15                    |   <input type="password" name="password" class="input" size="9" maxlength="9"/>
16                </label></center>
17                <br/>
18                <center><input type="submit" value="Login" size="15px" maxlength="50px" class="button"/></center>
19                <br/>
20            </fieldset>
21        </form>
22        <br/><br/><br/><br/>
23    </div>
24
25 <?php include("../Footer.php");?><!-- end login.php-->
```

This file has three include files, the **Header.php**, **Footer.php** & **genNav.php**. This page uses sessions for the redirect. The information will get posted to the **../view/login\_page.php**. The user ID is issued by the receptionist and the password is the user's Social Security Number. Once redirected to **login\_page.php**, the code will determine if the user is a patient, doctor or receptionist. The site restrictions are enabled, which only allow one to certain zones of the website that they have access to.



```
1 <?php
2     include("../Header.php");
3     include("../nav/genNav.php");
4     require("../model/database.php");
5
6
7 <div id="content1">
8     <br/>
9
10    <?php
11        //read the information from the poster.txt file
12        $file = fopen('../originalStaff.txt', 'rb');
13
14        $names = '';
15
16        //when it is NOT at the end
17        while (!feof($file))
18        {
19            //read a line from the file
20            $name = fgets($file);
21
22            if ($name === false)
23            {
24                continue;
25            }
26
27            $name = trim($name);
28
29            if (strlen($name) == 0 || substr($name, 0, 1) == '#')
30            {
31                continue;
32            }
33
34            $names .= "<div>" . $name . "</div>\n";
35
36
37        fclose($file); //close the file
38        echo $names; //display all of the content
39    ?> <!-- poster.php -->
```

This file has three include files, the **Header.php**, **Footer.php** & **genNav.php**. It also has one require file called **model/database.php**. This is a page in the general navigation that displays the original staff of Med Tech Solutions. The PHP code will read from the text file **originalStaff.txt** and then it will execute the second part of the PHP, which checks the database for all the staff, and writes any updated staff to the **poster.txt** text file.



## Medical Video Search

(i.e. Vitamins, Nutrition, Exercise)

Search on a topic and click the picture to watch the video.

### Search

```

1 <?php
2     include("../Header.php");
3     include("../nav/genNav.php");
4 ?>
5 <div id="content1">
6 <br/>
7     <div id="page">
8         <div id="header"><h1>Medical Video Search</h1></div>
9         <div id="header"><h2>(i.e. Vitamins, Nutrition, Exercise)</h2></div>
10        <p>Search on a topic and click the picture to watch the video.</p>
11        <div id="main">
12
13            <h2>Search</h2>
14            <form action="servicesProcess.php" method="post">
15                <input type="text" name="query" value=<?php echo $query; ?>"/>
16                <input type="submit" value="Search"/>
17            </form>
18            <?php if (count($videos) != 0) : ?>
19                <h2>Results</h2>
20                <table>
21                    <?php foreach ($videos as $video) :
22                        $imgsrc = $video['media$group'][0]['media$thumbnail'][0]['url'];
23                        $url = $video['link'][0]['href'];
24                        $text = $video['title'][$t];
25                    ?>
26                    <tr>
27                        <td>
28                            <a target="_blank" href=<?php echo $url; ?>>
29                                <img src=<?php echo $imgsrc; ?>/>
30                            </a>
31                        </td>
32                    </tr>
33                    <?php endforeach; ?>
34                </table>
35            <?php endif; ?>
36            <br/>
37        </div>
38    <?php include("../Footer.php"); ?><!-- end services.php -->
```

This is a medical video search. It utilizes cURL, as well as YouTube API, to search for videos pertaining to search topics (e.g. health, vitamins, fitness, etc.). This fulfills the bonus points requirement for the project.

## Medical Video Search

(i.e. Vitamins, Nutrition, Exercise)

Search on a topic and click the picture to watch the video.

### Search

### Results



```
1 <?php
2 session_start();
3
4 function search_youtube($query) {
5     // Set up the URL for the query
6     $query = urlencode($query);
7     $base_url = 'http://gdata.youtube.com/feeds/api/videos';
8     $params = 'alt=json&q=' . $query;
9     $url = $base_url . '?' . $params;
10
11    // Use cURL to get data in JSON format
12    $curl = curl_init($url);
13    curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
14    $json_data = curl_exec($curl);
15    curl_close($curl);
16
17    // Get an array of videos from the JSON data and return it
18    $data = json_decode($json_data, true);
19    $videos = $data['feed']['entry'];
20    return $videos;
21 }
22 // servicesProcess.php
```

```

23     if (isset($_POST['action'])) {
24         $action = $_POST['action'];
25     } else {
26         $action = 'search';
27     }
28
29     if (isset($_POST['query'])) {
30         $query = $_POST['query'];
31         $_SESSION['query'] = $query;
32     } else if (isset($_SESSION['query'])) {
33         $query = $_SESSION['query'];
34     } else {
35         $query = '';
36     }
37
38     switch ($action) {
39         case 'search':
40             if (!empty($query)) {
41                 $videos = search_youtube($query);
42             }
43             include 'services.php';
44             break;
45
46         default:
47             include 'services.php';
48             break;
49     }
50
51 ?><!-- servicesProcess.php |-->

```

This file uses JSON to transport the data from YouTube to the Med Geeks website. PHP starts a session and sets up the URL variable used to query the YouTube API. It then return a JSON object to which our webpage extracts the video data array to be displayed for the user.

---

## View

### login\_page.php



The image shows a simple login form enclosed in a light gray border. At the top center, it says "Login". Below that is a label "User ID" followed by the text "(received this from receptionist)". Underneath is a text input field. Below the input field is a label "Password:" followed by another text input field. At the bottom center is a blue rectangular button labeled "Login".

```

1 <?php
2     include("../Header.php");
3
4
5 <div id="content1">
6 <?php
7     //require the database because we will be accessing it for a login
8     require("../model/database.php");
9
10    //get the information from the login form
11    $userName = $_POST['username'];
12    $pass = $_POST['password'];
13
14    //hash the password the user inputted
15    $pass = sha1($pass);
16
17    //write a query to select the userID from the User table for the inputted userName
18    $query = "select userID from User where userID = '$userName'";
19
20    //run the query and get the 'userID' column from the results
21    $users = $db->query($query);
22    $userID = $users->fetch();
23    $userID = $userID['userID'];
24
25    //if it return no users
26    if(empty($userID))
27    {
28        echo "<p>You have entered an incorrect User ID</p>";
29    }
30
31    //if there is a matching user
32    else
33    {
34        //write a query retrieve the stored hashed password from the database for the entered user
35        $query = "select Password from User where userID = '$userID'";
36
37        //run the query and get the 'password' column from the results
38        $password = $db->query($query);
39        $hashedPassword = $password->fetch();
40        $hashedPassword = $hashedPassword['Password'];
41        // login_page01.php

```

The **login\_page.php** has two include files, the **Header.php** & **Footer.php**. It also has one require file called **model/database.php**. The **login\_page.php** page determines which zone of the webpage a user will have access to, once they are successfully logged in to the website. First the PHP code will establish a connection to the database. Then it will get the information from **controller/login.php** from a post method. Then PHP hashes the password; PHP then queries the database to select the **userID** from the **User** table for the inputted user name. If it doesn't return any users, PHP will echo the statement, "You have entered an incorrect User ID." If there is a matching user PHP will then execute a query to retrieve the stored hash password from the database.

User_Type_ID	UserID	Password	First_Name	Last_Name	SSN	DOB	Street_Address	City	Zip	state
3	1	3f196cfb6c4cff3002c0495a1bc822521b6aa36	Kate	Zimmerman	111111111	08/21/1998	123 Main Street	Charlotte	28227	NC
2	2	0d343a34ee781f51d57935a6c19a72eb39aebca6	Sachin	Patel	222222222	9/11/1990	546 Bombay BLVD	Charlotte	28252	NC
2	3	95e229d8aca716874c8fea1501379e06f239d03	Wilton	Hunt III	333333333	9/4/1985	624 Devil Dog Drive	Wilmington	23143	NC
1	4	de80ad51bf670f0786d705d5fcc654544303458b	Samuel	Stanton	444444444	6/7/1980	983 Devil Dolphin Lane	Pensacola	45678	FL

(hashed passwords are SHA1 of the user's SSN)

```

43 //write a query retrieve the first name from the database for the entered user
44 $query = "select First_Name from User where userID = '$userID'";
45
46 //run the query and get the 'first_name' column from the results
47 $fname = $db->query($query);
48 $name = $fname->fetch();
49 $name = $name['First_Name'];
50
51
52 //if passwords match
53 if($pass == $hashedPassword)
{
54
55 //write a query retrieve the type of user from the database for the entered user
56 $query = "select user_type_id from User where userID = '$userID'";
57 $userTypeID = $db->query($query);
58 $userType = $userTypeID->fetch();
59 $userType = $userType['user_type_id'];
60
61 $query1 = "select userID from User where userID = '$userID'";
62 $userID = $db->query($query1);
63 $userID = $userID->fetch();
64 $userID = $userID['userID'];
65
66 //based on the user type go to a different location on our website
67 //1 = patient
68 //2 = doctor
69 //3 = reception
70 switch($userType)
{
71
72 case 1:
73     //define variables
74     $lifetime = 60 * 60 * 8; //8 hours
75     $path = '/';
76     session_set_cookie_params($lifetime, $path);
77
78     //session start
79     session_start();
80
81     $_SESSION['typeUser'] = 'patient';
82     $_SESSION['name'] = $name;
83     $_SESSION['userID'] = $userID;
84     //login_page02.php

```

If the sha1 hash of the inserted password matches the sha1 hash of the stored password, PHP then executes a query from the **user** database to determine which zone the user will be directed to. The switch statement has three cases to determine access.

```
85
86
87
88
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122

//redirect to correct page
$url1="https://www.beardedpatriot.com/project/view/patientInformation.php";
echo '<script type="text/javascript">';
echo 'window.location.href="'.$url1.'";';
echo '</script>';
break;

case 2:
    //define variables
    $lifetime = 60 * 60 * 8; //8 hours
    $path = '/';
    session_set_cookie_params($lifetime, $path);

    //session start
    session_start();

    $_SESSION['typeUser'] = 'doctor';
    $_SESSION['name'] = $name;
    $_SESSION['userID'] = $userID;

    //redirect to correct page
$url2="https://www.beardedpatriot.com/project/view/doctorIndex.php";
echo '<script type="text/javascript">';
echo 'window.location.href="'.$url2.'";';
echo '</script>';
break;

case 3:
    //define variables
    $lifetime = 60 * 60 * 8; //8 hours
    $path = '/';
    session_set_cookie_params($lifetime, $path);

    $_SESSION['typeUser'] = 'reception';
    $_SESSION['name'] = $name;
    $_SESSION['userID'] = $userID;
//login page03.php
```

Case 1 will direct the user to the patient page. Case 2 will direct the user to the doctor page. Case 3 will direct the user to the receptionist page. Once redirected, it will start an eight-hour session, unless the user logs out before then.

```
123 //redirect to correct page
124 $url3="https://www.beardedpatriot.com/project/view/receptionIndex.php";
125 echo '<script type="text/javascript">';
126 echo 'window.location.href="'.$url3.'";';
127 echo '</script>';
128 break;
129 }
130 }
131
132 //if the passwords do NOT match up
133 else
134 {
135     echo "<br/>";
136     echo "<p>You have entered the incorrect password.</p>";
137 }
138 //else for matching user
139 ?>
140 <br/>
141 </div>
142 <?php include("../Footer.php");?><!-- login page04.php -->
```

Finally if the passwords do not match, an echo statement lets the user know they have entered the wrong password.

## appointmentProcess.php

```
1 <?php
2     include("../Header.php");
3     include("../nav/repNav.php");
4     require("../model/database.php");
5
6 ?>
7 <?php
8     //session_start();
9     //process form data for appointment
10    $doctorLastName = $_POST['doctor'];
11    $patientID = $_POST['patientID'];
12    $date = $_POST['date'];
13
14    //use queries to get the doctor's
15    $query = "select UserID from User where Last_Name = '$doctorLastName'";
16    $value2 = $db->query($query);
17    $ids = $value2->fetch();
18
19    //assign the doctor's id to a variable
20    $docID = $ids['UserID'];
21
22    //query to grab the time slots for a particular day, showing patients ids in re-
23    $query3 = "select slot1, slot2, slot3, slot4, slot5, slot6, slot7, slot8 from s";
24
25    //grab the slots from the selected doctor and day
26    $value = $db->query($query3);
27    $slots = $value->fetch();
28
29    //assign the slots to variables
30    $slot1 = $slots['slot1'];
31    $slot2 = $slots['slot2'];
32    $slot3 = $slots['slot3'];
33    $slot4 = $slots['slot4'];
34    $slot5 = $slots['slot5'];
35    $slot6 = $slots['slot6'];
36    $slot7 = $slots['slot7'];
37    $slot8 = $slots['slot8'];
38
39    //determines if a appointment time is available
40    function available($slt)
41    {
42        //if it is avaivable, call the book() function| appointmentProcess01.php
```

The **appointmentProcess.php** file has three include files, the **Header.php**, **Footer.php** & **repNav.php**. It also has one require file called **model/database.php**. The information is passed via the post method from the **view/appointment.php**. Once the session starts, PHP accesses the **user** database to retrieve the doctor's name. PHP then assigns the doctor's ID to a variable to the slots available for that day. Then PHP grabs the slots available from the selected doctor, the slots are assigned variables. That determines if appointment times are available.

```

40 //if it is available, call the book()
41 if($slt == 0)
42 {
43     //echo available
44     book();
45 }
46 //if it is booked, echo the patient ID
47 else
48 {
49     echo "Patient ID: " . $slt;
50 }
51 }
52 function book()
53 {
54     echo "Available";
55 }
56 ?><!-- Print the doctor name and date of the appointment -->
57 <h3 align="center"><?php echo "Doctor " . $doctorLastName; ?></h3>
58 <h3 align="center"><?php echo "Date " . $date; ?></h3>
59 <table>
60 <tr>
61     <th>8 AM</th>
62     <th>9 AM</th>
63     <th>10 AM</th>
64     <th>11 AM</th>
65     <th>1 PM</th>
66     <th>2 PM</th>
67     <th>3 PM</th>
68     <th>4 PM</th>
69 </tr>
70 <tr>
71     <td><?php available($slot1); ?></td>
72     <td><?php available($slot2); ?></td>
73     <td><?php available($slot3); ?></td>
74     <td><?php available($slot4); ?></td>
75     <td><?php available($slot5); ?></td>
76     <td><?php available($slot6); ?></td>
77     <td><?php available($slot7); ?></td>
78     <td><?php available($slot8); ?></td>
79 </tr>
80 </table>
81 <!-- appointmentProcess02.php -->

```

```

82 <?php
83 //create an array of empty appointment times
84 $temp = array($slot1, $slot2, $slot3, $slot4, $slot5, $slot6, $slot7, $slot8);
85 $emptySlot = array();
86 for ($count = 0; $count <= 7; $count++)
87 {
88     if($temp[$count] == 0)
89     {
90         $emptySlot[$count] = $count;
91     }
92 }
93 ?>
94 <br/><br/>
95 <div align="center">
96     <form action="schedule.php" method="post">
97         <?php echo "Patient ID to be scheduled: " . $patientID; ?><br />
98
99         <select name="slotNum">
100            <!-- Print the slots the are available in a drop down menu -->
101            <?php foreach($emptySlot as $empty) {?>
102                <option value=<?php echo $empty + 1;?>>Slot: <?php echo $empty + 1;?></option>
103            <?php } ?>
104        </select>
105        <input type="hidden" name="date" value=<?php echo $date; ?>"/>
106        <input type="hidden" name="doctorID" value=<?php echo $docID; ?>"/>
107        <input type="hidden" name="patID" value=<?php echo $patientID; ?> "/>
108        <input type="submit" name="schedule" value="Schedule"/>
109
110    </form>
111    <br/>
112 </div>
113
114 <?php include("../Footer.php");?><!-- appointmentProcess03.php -->

```

If the appointments are available if calls **book()** echos “available”. If it is booked it will echo patients ID that has booked an appointment for that time. Then PHP will print the doctor’s name and appointments in a table. PHP will then create an array of unscheduled appointment times and print them in a dropdown menu.

## appointments.php



```

1 <?php
2     include("../Header.php");
3     include("../nav/repNav.php");
4     require("../model/database.php");
5 ?>
6 <div id="content1">
7     <br/>
8     <form name="apptForm" action="appointmentProcess.php" method="post">
9         <h4>Make Patient Appointments</h4>
10
11         <p>Input the correct doctor, the patient's ID, and the desired date to check for all available appointments.</p>
12
13         Doctor:
14         <select name="doctor">
15             <?php
16                 //display all of the doctors in a dropdown menu
17                 $query = 'select * from User
18                             where user_type_id = 2
19                             order by last_name ASC';
20
21                 $doctors = $db->query($query);
22                 foreach($doctors as $doctor) {
23                     $lname = $doctor['Last Name'];
24                     $docID = $doctor['UserID'];
25
26             <option><?php echo $lname; ?></option><!-- appointments01.php --&gt;
</pre>

```

The **appointments.php** file has three include files, the **Header.php**, **Footer.php** & **repNav.php**. It also has one require file called **model/database.php**. This is a form page to schedule an appointment for a doctor. The form executes a query from the **user** database and displays the doctor’s available for an appointment.

```

27         <?php } ?> <!-- end the for each statement -->
28         </select>
29         <br /> <br />
30         Patient ID: <input name="patientID" size="2" maxlength="2" />
31         <br />
32         <br />
33         Appointment Time:<br/>
34         <select name="date">
35             <option value="12/4/2013">12/4/2013</option>
36             <option value="12/5/2013">12/5/2013</option>
37             <option value="12/6/2013">12/6/2013</option>
38             <option value="12/7/2013">12/7/2013</option>
39             <option value="12/8/2013">12/8/2013</option>
40             <option value="12/9/2013">12/9/2013</option>
41             <option value="12/10/2013">12/10/2013</option>
42             <option value="12/11/2013">12/11/2013</option>
43
44         </select>
45
46         <input type="submit" value="Search"/>
47
48     </form>
49     <br />
</div>
<?php include("../Footer.php");?><!-- appointments04.php --&gt;
</pre>

```

The appointment times are displayed in a dropdown menu.

## docPatientLookupIndex.php

The screenshot shows a web application interface. At the top, there is a blue header bar with three items: "Doctor Home", "Patient Lookup", and "Log Out". Below the header, the main content area has a title "Patient Lookup" and a table displaying patient information. The table has columns for Last Name, First Name, Date of Birth, Street Address, City, State, and Zip. The data in the table is:

Last Name	First Name	Date of Birth	Street Address	City	State	Zip
smith	bob	1/1/1111	123 crazy tree	buffalo	ny	69696

At the bottom of the page, there is a footer bar with the text "© Copyright Med Geeks 2013".

```
1 <?php
2     include("../Header.php");
3     include("../nav/docNav.php");
4
5     <div id="content1">
6         <br/>
7         <h1>Patient Lookup</h1>
8         <table>
9             <th>Last Name</th>
10            <th>First Name</th>
11            <th>Date of Birth</th>
12            <th>Street Address</th>
13            <th>City</th>
14            <th>State</th>
15            <th>Zip</th>
16            <?php require("../model/database.php"); ?>
17
18         <?php
19
20             //set up a query a loop through each of the patients so that it can be
21             //displayed for the doctor in a table
22             $query = 'select * from User
23                             where user_type_id = 1
24                             order by last_name ASC';
25
26             $patients = $db->query($query);
27             foreach($patients as $patient) {
28
29                 <?>
30                 <tr>
31                     <td><?php echo $patient['Last_Name'];?></td>
32                     <td><?php echo $patient['First_Name'];?></td>
33                     <td><?php echo $patient['DOB'];?></td>
34                     <td><?php echo $patient['Street_Address'];?></td>
35                     <td><?php echo $patient['City'];?></td>
36                     <td><?php echo $patient['state'];?></td>
37                     <td><?php echo $patient['Zip'];?></td>
38
39                 </tr>
40             <?php } ?>
41         </table>
42         <br/>
43     </div>
44
45     <?php include("../Footer.php"); ?><!-- docPatientLookupIndex.php -->
```

The **docPatientLookupIndex.php** file has three include files, the **Header.php**, **Footer.php** & **docNav.php**. It also has one require file called **model/database.php**. This file displays a form that will search for patients in the database. A query is set up to loop through each of the patients, so it can be displayed to the table for the doctor to view.

## doctorIndex.php



```
1 <?php
2     include("../Header.php");
3     include("../nav/docNav.php");
4 ?>
5 <div id="content1">
6 <?php
7     echo "Welcome: " . $name;
8 ?>
9 <br/><br/>
10 </div>
11 <?php include("../Footer.php");?><!-- doctorIndex.php -->
12
```

The **doctorIndex.php** file has three include files, the **Header.php**, **Footer.php** & **docNav.php**. This is the welcome page for the physician, and will display the doctor's name when they log in.

## logout.php

```
1 <?php
2     include("../Header.php");
3     include("../nav/genNav.php");
4 ?>
5 <div id="content1">
6 <?php
7     //load the session from other web pages
8     session_start();
9
10    echo session_id();
11
12    //destroy the session so that the user successfully logs out of the website
13    $_SESSION = array();
14    session_destroy();
15
16    echo session_id();
17
18    echo "<h3>You have successfully logged out! You will be redirected to the homepage shortly.</h3>";
19    sleep(.25);
20    header('Location: http://localhost/project/index.php');
21 ?>
22 <br/>
23 </div>
24 <?php include("../Footer.php");?><!-- logout.php -->
```

The **logout.php** file has three include files, the **Header.php**, **Footer.php** & **genNav.php**. Once the tab is selected in any of the webpage zones this will load the sessions from other webpages, then PHP will destroy the session and echo the statement, “You have been successfully log out! You will be redirected to the homepage shortly.”

## newPatient.php

### New Patient Registration

First Name:

Last Name:

Street Address:

City:

State:

Zip Code:

SSN (xxxxxxxx):

DOB:  
Month:  Day:  4 Digit Year:

Patient Medical History:  
  
Please list any of your current health problems and separate each problem with a ',' (comma).

Family Health Problems:  
  
Please list any history of family health problems and separate each problem with a ',' (comma).

```
1 1  
2 //initialize all of the form data  
3 $fname = '';  
4 $lname = '';  
5 $streetAddress = '';  
6 $city = '';  
7 $state = '';  
8 $zip = '';  
9 $ssn = 0;  
10 $month = 0;  
11 $day = 0;  
12 $year = 0;  
13 $patientHealth = '';  
14 $familyHealth = '';  
15 ?><!-- newPatient.php -->  
16  
17 <form action="newPatientIndex.php" method="post">  
18     First Name:<input type="text" name="firstName"/><br/>  
19     Last Name: <input type="text" name="lastName"/><br/>  
20     Street Address:<input type="text" name="streetAddress"/><br/>  
21     City:<input type="text" name="city"/><br/>  
22     State:<input type="text" name="state" size="2" maxlength="2"/><br/>  
23     Zip Code:<input type="text" name="zip" size="5" maxlength="5"/><br/>  
24     SSN (xxxxxxxx): <input type="text" name="SSN" size="9" maxlength="9"/><br/>  
25     DOB: <br/>  
26     Month:<select name="month">  
27         <option value="1" >Jan</option>
```

The **newPatient.php** is a form only accessible by the receptionist. The receptionist will enter the patient's information and that information gets sent to newPatientIndex.php.

## newPatientIndex.php

```
1 <?php
2     include("../Header.php");
3     include("../nav/repNav.php");
4 
5     <div id="content1">
6         <br/>
7         <h1>New Patient Registration</h1>
8 
9         <?php
10            require("../model/database.php");
11            include("newPatient.php");
12        ?>
13    </div>
14 
15 <?php
16     include("../Footer.php");
17 ?>
18 <br/><br/>
19 <div id="white">
20     <?php
21         $fname = $_POST['firstName'];
22         $lname = $_POST['lastName'];
23         $street = $_POST['streetAddress'];
24         $city = $_POST['city'];
25         $state = $_POST['state'];
26         $zip = $_POST['zip'];
27         $SSN = $_POST['SSN'];
28         $month = $_POST['month'];
29         $day = $_POST['day'];
30         $year = $_POST['dobYear'];
31         $patientHistory = $_POST['patientHealth'];
32         $familyHistory = $_POST['familyHealth'];
33 
34         $dob = $month."/".$day."/".$year;
35 
36         $password = sha1($SSN);
37 
38         $insertToUser = "insert into User (user_type_id, first_name, last_name, Password, ssn, dob,
39                                         street_address, city, zip, state)
40                                         values (1, '$fname', '$lname', '$password', '$SSN', '$dob',
41                                         '$street', '$city', '$zip', '$state')";
42     //newPatientIndex.php
43 
```

The **newPatientIndex.php** file has four include files, the **Header.php**, **Footer.php** & **repNav.php**. It also has one require file called **model/database.php**. Data gets sent via the **newPatient.php** file.

```
41 
42 
43     if(empty($SSN))
44     {
45     }
46     else
47     {
48         $db->query($insertToUser);
49 
50         $userIDquery = "select userID from User where ssn = '$SSN'";
51 
52         $value = $db->query($userIDquery);
53         $userID = $value->fetch();
54         $userID2 = $userID['userID'];
55         echo $userID2;
56 
57         $insertToPatientStatus = "insert into PatientStatus (userID, patient_history, family_history)
58                                         values ('$userID2', '$patientHistory', '$familyHistory')";
59 
60         $db->query($insertToPatientStatus);
61     }
62     <br/><br/>
63 </div><!-- newPatientIndex.php -->
```

## New Staff Registration

First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Staff Type:	Doctor <input checked="" type="checkbox"/>
Street Address:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text"/>
Zip Code:	<input type="text"/>
SSN:	<input type="text"/>
DOB:	
Month:	<input type="text"/> <input type="button" value="▼"/>
Day:	<input type="text"/> <input type="button" value="▼"/>
4 Digit Year: <input type="text"/>	
Date of Hire:	
Month:	<input type="text"/> <input type="button" value="▼"/>
Day:	<input type="text"/> <input type="button" value="▼"/>
4 Digit Year: <input type="text"/>	
Salary:	\$ <input type="text"/>
Office Door Number:	<input type="text"/>
Office Phone:	<input type="text"/>

```
1 <form action="newStaffIndex.php" method="post">
2     First Name:<input type="text" name="firstName"/><br/>
3     Last Name: <input type="text" name="lastName"/><br/>
4     Staff Type:
5     <select name="staffType">
6         <option value="2">Doctor</option>
7         <option value="3">Reception</option>
8     </select>
9     <br/>
10    Street Address:<input type="text" name="streetAddress"/><br/>
11    City:<input type="text" name="city"/><br/>
12    State:<input type="text" name="state" size="2" maxlength="2"/><br/>
13    Zip Code:<input type="text" name="zip" size="5" maxlength="5"/><br/>
14    SSN: <input type="text" name="SSN" size="9" maxlength="9"/><br/>
15    DOB: <br/>
16    Month:<select name="dobMonth">
17        <option value="1">01</option>
18        <option value="2">02</option>
```

This is the form for the receptionist to fill out to add a new staff member to Med Tech Solutions. The information from the form will be sent to the **newStaffIndex.php** page of the website.

## newStaffIndex.php

```
1  <?php
2      include("../Header.php");
3      include("../nav/repNav.php");
4  ?>
5
6  <div id="content1">
7      <br/>
8      <h1>New Staff Registration</h1>
9      <?php
10         require("../model/database.php");
11         include("newStaff.php");
12     ?>
13 </div>
14 <?php
15     include("../Footer.php");
16 ?>
17
18 <br/><br/>
19 <div id="white">
20     <?php
21         //get all of the form data
22         $fname = $_POST['firstName'];
23         $lname = $_POST['lastName'];
24         $staffType = $_POST['staffType'];
25         $street = $_POST['streetAddress'];
26         $city = $_POST['city'];
27         $state = $_POST['state'];
28         $zip = $_POST['zip'];
29         $SSN = $_POST['SSN'];
30         $month = $_POST['dobMonth'];
31         $day = $_POST['dobDay'];
32         $year = $_POST['dobYear'];
33         $hmonth = $_POST['dohMonth'];
34         $hday = $_POST['dohDay'];
35         $hyear = $_POST['dohYear'];
36         $salary = $_POST['salary'];
37         $officeDoor = $_POST['officeNum'];
38         $officeNum = $_POST['officePhone'];
39     // newStaffIndex01.php
```

The **newStaff.php** file has four include files, the **Header.php**, **Footer.php** & **repNav.php**. It also has one require file called **model/database.php**. This page includes the **newStaff.php** page, which is the HTML form for adding a new staff. The form data is posted to this page, where it is processed and the new staff member is added to the database.

```
40     //format the dates correctly
41     $dob = $month."/".$day."/".$year;
42     $doh = $hmonth."/".$day."/".$hyear;
43
44     //create a password for them based on the hash of their social security number
45     $password = sha1($SSN);
46
47     //staff type: 2 = doctor 3 = Reception
48
49     $insertToUser = "insert into User (user_type_id, first_name, last_name, Password,
50                                         ssn, dob, street_address, city, zip, state)
51                                         values ('$staffType', '$fname', '$lname', '$password', '$SSN',
52                                                 '$dob', '$street', '$city', '$zip', '$state')";
53
54     //don't allow registration of the staff if there is a blank SSN
55     if(empty($SSN))
56     {
57     }
58
59
60     //if there is a valid SSN then proceed with registration
61     else
62     {
63         $db->query($insertToUser);
64         $userIDquery = "select UserID from User where ssn = '$SSN'";
65
66         $value = $db->query($userIDquery);
67         $userID = $value->fetch();
68         $userID2 = $userID['UserID'];
69         $insertToStaff = "insert into Staff (userID, hireDate, salary, office, officeNumber)
70                                         values ('$userID2', '$doh', '$salary',
71                                                 '$officeDoor', '$officeNum')";
72
73         echo $userID2;
74         echo $insertToStaff;
75     // newStaffIndex02.php
```

After all the data is passed to this file, PHP then formats all the dates, creates a sha1 hash password using the Social Security Number of the staff member.

```
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94
95
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103
104
105
106
107
108
109
```

```
$db->query($insertToStaff);

//if its a doctor, then create slots for appointments
if($staffType == 2)
{
    $fetchDocID = "select UserID from User where ssn = '$ssn'";
    $value2 = $db->query($fetchDocID);
    $docID = $value2->fetch();
    $docID2 = $docID['UserID'];

    echo $docID2;

    $appts1 = "insert into slots (docID, date) values ('$docID2', '12/4/2013')";
    $appts2 = "insert into slots (docID, date) values ('$docID2', '12/5/2013')";
    $appts3 = "insert into slots (docID, date) values ('$docID2', '12/6/2013')";
    $appts4 = "insert into slots (docID, date) values ('$docID2', '12/7/2013')";
    $appts5 = "insert into slots (docID, date) values ('$docID2', '12/8/2013')";
    $appts6 = "insert into slots (docID, date) values ('$docID2', '12/9/2013')";
    $appts7 = "insert into slots (docID, date) values ('$docID2', '12/10/2013')";
    $appts8 = "insert into slots (docID, date) values ('$docID2', '12/11/2013')";

    $db->query($appts1);
    $db->query($appts2);
    $db->query($appts3);
    $db->query($appts4);
    $db->query($appts5);
    $db->query($appts6);
    $db->query($appts7);
    $db->query($appts8);

}

?>

```

```
</div><!-- newStaffIndex03.php -->
```

The user type is also set in this file, doctors are set to a value of 2 and receptionists are set to a value of 3. If a new doctor is added then he is inserted in the appointment calendar so that appointments are available for them.

## patientInformation.php

The screenshot shows a web page titled "patientInformation.php". At the top, there is a blue header bar with "My Information" and "Log Out" links. Below the header, the page displays a "Welcome: bob" message. A table is centered on the page, showing the following data:

User ID	First Name	Last Name	Date of Birth	Street Address	City	State	Zip
15	bob	smith	1/1/1111	123 crazy tree	buffalo	ny	69696

Below the table, a red link at the bottom of the page reads: "If you see any information that is incorrect, please contact the reception to get the information corrected. Here is a link to the [Contact Us](#) page."

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```

1  <?php
2      include("../Header.php");
3      include("../nav/patNav.php");
4      require("../model/database.php");
5
6
7  <div id="content1">
8      <?php
9          echo "<br/>";
10         echo "Welcome: " . $name;
11     ?>
12     <table>
13         <tr>
14             <th>User ID</th>
15             <th>First Name</th>
16             <th>Last Name</th>
17             <th>Date of Birth</th>
18             <th>Street Address</th>
19             <th>City</th>
20             <th>State</th>
21             <th>Zip</th>
22         </tr>
23         <?php
24             //get patient information from database
25
26             // $userID comes from the session, located in the navigation
27             $query = "select * from User where userID = $userID";
28
29             // patientInformation01.php

```

The **patientInformation.php** file has three include files, the **Header.php**, **Footer.php** & **patNav.php**. It also has one require file called **model/database.php**. This page can only be viewed with a valid patient login. This is a page where a patient can visit to view their medical information. PHP will query the **userID** from the **user** database for the patient's information. The result is then echoed back to an HTML table displaying the patient's information in the correct columns. The patient is asked to notify the receptionist if the information displayed in the table is incorrect.

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```

Column 1	Column 2	Column 3
31		\$info = \$db->query(\$query);
32		foreach(\$info as \$pat) {
33		<tr>
34		<td><?php echo \$pat['UserID'];?></td>
35		<td><?php echo \$pat['First_Name'];?></td>
36		<td><?php echo \$pat['Last_Name'];?></td>
37		<td><?php echo \$pat['DOB'];?></td>
38		<td><?php echo \$pat['Street_Address'];?></td>
39		<td><?php echo \$pat['City'];?></td>
40		<td><?php echo \$pat['state'];?></td>
41		<td><?php echo \$pat['Zip'];?></td>
42		</tr>
43		<?php } ?>
44		</table>
45		
46		
47		
48		<p style="color: red">
49		If you see any information that is incorrect, please contact the reception to get the information corrected.
50		Here is link to the <a href="../controller/contact.php">"Contact Us" page.</a>
51		
52		
53		</div>

```

<?php include("../Footer.php");?><!-- patientInformation02.php -->

```

## patientLookupIndex.php

```
1 <?php
2     include("../Header.php");
3     include("../nav/repNav.php");
4 ?>
5 <div id="content1">
6     <br/>
7     <h1>Patient Lookup</h1>
8     <table>
9         <th>Patient ID</th>
10        <th>Last Name</th>
11        <th>First Name</th>
12        <th>Password</th>
13        <th>Date of Birth</th>
14        <th>Street Address</th>
15        <th>City</th>
16        <th>State</th>
17        <th>Zip</th>
18    <? require("../model/database.php"); ?>
19    <?php
20        //set up a query and loop through all of the patients so that they can be displayed
21        //in a table for the reception staff
22        $query = 'select * from User
23                                where user_type_id = 1
24                                order by last_name ASC';
25        $patients = $db->query($query);
26        foreach($patients as $patient) {
27 ?>
28     <tr>
29         <td><?php echo $patient['UserID'];?></td>
30         <td><?php echo $patient['Last_Name'];?></td>
31         <td><?php echo $patient['First_Name'];?></td>
32         <td><?php echo $patient['Password'];?></td>
33         <td><?php echo $patient['DOB'];?></td>
34         <td><?php echo $patient['Street_Address'];?></td>
35         <td><?php echo $patient['City'];?></td>
36         <td><?php echo $patient['state'];?></td>
37         <td><?php echo $patient['Zip'];?></td>
38     </tr>
39     <?php } ?>
40   </table><br/>
41 </div>
42 <?php include("../Footer.php"); ?><!-- patientLookupIndex.php -->
```

The **patientLookupIndex.php** file has three include files, the **Header.php**, **Footer.php** & **repNav.php**. It also has one require file called **model/database.php**. This file can only be viewed from the receptionist navigation bar, which is only available with a successfully reception login. Once directed to this page, a query is made to the **user** table of the database and then loops through all of the patients so that they can be displayed into a table.

## schedule.php

```
1 <?php
2     include("../Header.php");
3     include("../nav/repNav.php");
4     require("../model/database.php");
5
6     //process form data
7     $slotNum = $_POST['slotNum'];
8     $date = $_POST['date'];
9     $patient = $_POST['patID'];
10    $doc = $_POST['doctorID'];
11    $query = "update slots set slot" . $slotNum . " = '$patient'
12    | where docID = '$doc' and date = '$date'";
13    if($db->exec($query))
14    {
15        //insert the appointment into the appointment table
16        $insert = "INSERT INTO 'appointments'('patId', 'docID', 'appointDate', 'slotNum') VALUES ('$patient', '$doc', '$date', '$slotNum')";
17        $db->exec($insert);
18
19        //query to grab the time slots for a particular day, showing patients ids in reserved spots
20        $query3 = "select slot1, slot2, slot3, slot4, slot5, slot6, slot7, slot8 from slots where docID = '$doc' and date = '$date'";
21
22        //grab the slots from the selected doctor and day
23        $value = $db->query($query3);
24        $slots = $value->fetch();
25
26        //assign the slots to variables
27        $slot1 = $slots['slot1'];
28        $slot2 = $slots['slot2'];
29        $slot3 = $slots['slot3'];
30        $slot4 = $slots['slot4'];
31        $slot5 = $slots['slot5'];
32        $slot6 = $slots['slot6'];
33        $slot7 = $slots['slot7'];
34        $slot8 = $slots['slot8'];
35    // schedule01.php
```

## Cant view in website

The **schedule.php** file has three include files, the **Header.php**, **Footer.php** & **repNav.php**. It also has one require file called **model/database.php**. This page allows the receptionist to set up appointments. PHP will process the form data. PHP then executes a query and insert the appointment into the table. Then another query is executed to grab the time slots for a particular day, showing the patient's userID in the reserved slots. Then the code assigns the slots to variables.

```

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50    function available($slt)
51    {
52        if($slt == 0)
53        {
54            book();
55        }
56        else
57        {
58            echo "Patient ID: " . $slt;
59        }
60    }
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77 ?>

    function book()
    {
        echo "Available";
    }

<br/>
<table>
<tr>
    <th>8 AM</th>
    <th>9 AM</th>
    <th>10 AM</th>
    <th>11 AM</th>
    <th>1 PM</th>
    <th>2 PM</th>
    <th>3 PM</th>
    <th>4 PM</th>
</tr>
<tr>
    <td><?php available($slot1); ?></td>
    <td><?php available($slot2); ?></td>
    <td><?php available($slot3); ?></td>
    <td><?php available($slot4); ?></td>
    <td><?php available($slot5); ?></td>
    <td><?php available($slot6); ?></td>
    <td><?php available($slot7); ?></td>
    <td><?php available($slot8); ?></td>
</tr>
</table>
<br/><br/><!-- schedule02.php -->
```

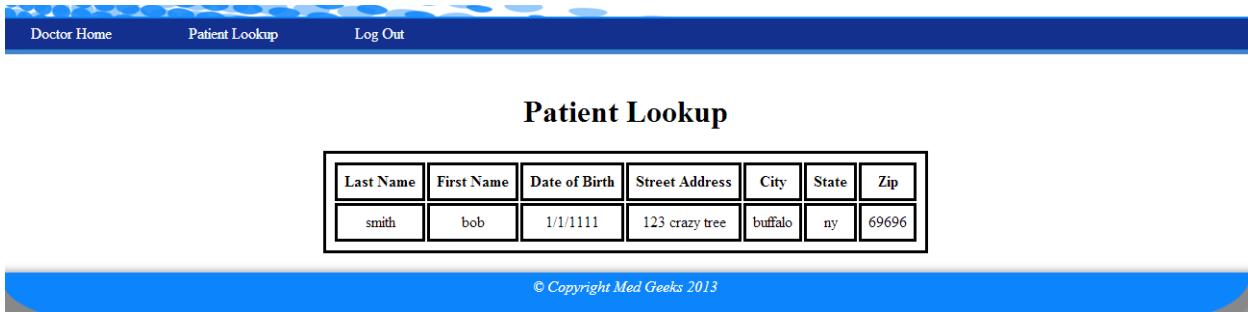
The available slots are then inserted into a table.

```

78 <?php
79     echo "<div align=\"center\">";
80     echo "You have successfully scheduled an appointment.";
81     echo "<br/>";
82     echo "<a href=\"appointments.php\">Schedule Another Appointment</a>";
83     echo "</div>";
84     } //end of if statement
85
86
87     else
88     {
89         echo "Appointment did not schedule.";
90     }
91
92     echo "<br/>";
93
94 ?>
95 <?php include("../Footer.php"); ?><!-- schedule03.php -->
```

If the appointment scheduling was successful it will display the results, “You have successfully scheduled an appointment.” If was not successful the screen will say, “Appointment did not schedule.”

staffLookupIndex.php



```
1 <?php
2     include("../Header.php");
3     include("../nav/repNav.php");
4 ?>
5     <div id="content1">
6         <br/>
7         <h1>Doctor Lookup</h1>
8         <table>
9             <th>Last Name</th>
10            <th>First Name</th>
11            <th>Password</th>
12            <th>Date of Birth</th>
13            <th>Street Address</th>
14            <th>City</th>
15            <th>State</th>
16            <th>Zip</th>
17            <th>Hire Date</th>
18            <th>Salary</th>
19            <th>Office Room</th>
20            <th>Office Phone Number</th>
21        <? require("../model/database.php"); ?>
22
23     <?php
24         $query = 'select * from User, Staff
25                         where user_type_id = 2 and User.userID = Staff.userID
26                         order by last_name ASC';
27
28         $query2 = 'select * from Staff';
29         $staffs = $db->query($query);
30         foreach($staffs as $staff) {
31     ?>
32         <tr>
33             <td><?php echo $staff['Last_Name'];?></td>
34             <td><?php echo $staff['First_Name'];?></td>
35             <td><?php echo $staff['Password'];?></td>
36             <td><?php echo $staff['DOB'];?></td>
37             <td><?php echo $staff['Street_Address'];?></td>
38             <td><?php echo $staff['City'];?></td>
39             <td><?php echo $staff['state'];?></td>
40             <td><?php echo $staff['Zip'];?></td>
41             <td><?php echo $staff['HireDate'];?></td>
42             <td><?php echo $staff['Salary'];?></td>
43         </tr>
44     <?php
45         $db->close();
46     ?>
47     <!-- staffLookupIndex01.php-->
```

The **schedule.php** file has three include files, the **Header.php**, **Footer.php** & **repNav.php**. It also has one require file called **model/database.php**. PHP will connect to the database; run a query on the User and Staff database.

```

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81
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83
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85
86
87
88
<h1>Reception Lookup</h1>
<table>
    <th>Last Name</th>
    <th>First Name</th>
    <th>Password</th>
    <th>Date of Birth</th>
    <th>Street Address</th>
    <th>City</th>
    <th>State</th>
    <th>Zip</th>
    <th>Hire Date</th>
    <th>Salary</th>
    <th>Office Room</th>
    <th>Office Phone Number</th>
<?php
    $query = 'select * from User, Staff
              where user_type_id = 3 and User.userID = Staff.userID
              order by last_name ASC';
    $query2 = 'select * from Staff';
    $staffs = $db->query($query);
    foreach($staffs as $staff) {
?>
<tr>
    <td><?php echo $staff['Last_Name'];?></td>
    <td><?php echo $staff['First_Name'];?></td>
    <td><?php echo $staff['Password'];?></td>
    <td><?php echo $staff['DOB'];?></td>
    <td><?php echo $staff['Street_Address'];?></td>
    <td><?php echo $staff['City'];?></td>
    <td><?php echo $staff['state'];?></td>
    <td><?php echo $staff['Zip'];?></td>
    <td><?php echo $staff['HireDate'];?></td>
    <td><?php echo $staff['Salary'];?></td>
    <td><?php echo $staff['Office'];?></td>
    <td><?php echo $staff['OfficeNumber'];?></td>
</tr>
</table>
<form action="staffLookupIndex.php" method="post">
    <input type="hidden" />
</form>
</div>
<?php include("../Footer.php");?> <!-- end staffLookupIndex.php-->
```

It will then run a foreach loop to put all the staff in the tables to be displayed on the screen.

## Nav Directory

### genNav.php

The navigation directories are divided into four zones, the general navigation, doctor navigation, patient navigation, and receptionist navigation.

```
1  <nav class="cf">
2      <ul class="topmenu">
3          <li><a href="index.php">Home</a></li>
4          <li>
5              <a href="services.php">Services</a>
6                  <ul class="submenu">
7                      <li><a href="poster.php">Staff Information</a></li>
8                      <li><a href="healthyExercise.php">Exercise Tips</a></li>
9                      <li><a href="healthyEating.php">Eating Tips</a></li>
10                 </ul>
11             </li>
12             <li><a href="contact.php">Contact Us</a></li>
13             <li><a href="login.php">Log In</a></li>
14         </ul>
15     </nav>
16  <!--end navbar--><!-- genNav.php -->
```



When in the general navigation zone, login is not required to maneuver through the website. The user can navigate home to see if any bulletins or important messages are posted. The services tab offers a medical video search via YouTube. The Exercise Tips page will show some exercise options that has been recently posted. The Eating Tips will offer healthy food tips or suggestions for the user. A Contact Us page will allow the user to send emails to doctors or receptionists. The login page will then allow them to view different parts of the website based on their access.

## docNav.php



The screenshot shows the header of a web page with a blue background featuring a pattern of blue circles. The title "Med Tech Solutions" is displayed in large, bold, black font, with the letter "o" in "Tech" replaced by a red plus sign. Below the title is a dark blue navigation bar with three items: "Doctor Home", "Patient Lookup", and "Log Out". To the right of the navigation bar, the text "Welcome: Wilton" is displayed. The main content area contains the source code for docNav.php, which includes HTML and PHP code for a navigation bar and session handling.

```
1 <nav class="cf">
2   <ul class="topmenu">
3     <li><a href="doctorIndex.php">Doctor Home</a></li>
4     <li><a href="docPatientLookupIndex.php">Patient Lookup</a></li>
5     <li><a href="logout.php">Log Out</a></li>
6   </ul>
7 </nav>
8 <!--end navbar-->
9
10 <?php
11   //store the session information in the nav bar so that we can ensure that
12   //the correct type of users are visiting pages that they have access to view.
13
14   //start the session again
15   session_start();
16
17   //retrieve the variables from the session
18   $typeOfUser = $_SESSION['typeUser'];
19   $name = $_SESSION['name'];
20   $userID = $_SESSION['userID'];
21
22   //if user isn't a patient
23   if($typeOfUser != 'doctor')
24   {
25     //destroy the session so that the user successfully logs out of the website
26   $_SESSION = array();
27   session_destroy();
28   $url="https://www.beardedpatriot.com/project/controller/login.php";
29   echo '<script type="text/javascript">';
30   echo 'window.location.href="'.$url.'";';
31   echo '</script>';
32 }
33 ?><!-- docNav.php -->
```

The doctor navigation will allow the doctor to go to the Doctor Home page to view staff-critical information if any is posted. The Patient Lookup will allow the doctor to view the patient and all the critical information to conduct the proper medical treatment.

## patNav.php

The screenshot shows a web page titled "Med Tech Solutions" with a blue header bar containing "My Information" and "Log Out". Below the header is a table with the following data:

User ID	First Name	Last Name	Date of Birth	Street Address	City	State	Zip
4	Samuel	Stanton	6/7/1980	983 Devil Dolphin Lane	Pensacola	FL	45678

A message at the bottom of the table says: "If you see any information that is incorrect, please contact the reception to get the information corrected. Here is link to the ["Contact Us" page.](#)"

```
1 <nav class="cf">
2   <ul class="topmenu">
3     <li><a href="patientInformation.php">My Information</a></li>
4     <li><a href="logout.php">Log Out</a></li>
5   </ul>
6 </nav>
7 <!--end navbar-->
8 <?php
9   //store the session information in the nav bar so that we can ensure that
10  //the correct type of users are visiting pages that they have access to view.
11
12  //start the session again
13  session_start();
14
15  //retrieve the variables from the session
16  $typeOfUser = $_SESSION['typeUser'];
17  $name = $_SESSION['name'];
18  $userID = $_SESSION['userID'];
19
20  //if user isn't a patient
21  if($typeOfUser != 'patient')
22  {
23    //destroy the session so that the user successfully logs out of the website
24  $_SESSION = array();
25  session_destroy();
26  $url="https://www.beardedpatriot.com/project/controller/login.php";
27  echo '<script type="text/javascript">';
28  echo 'window.location.href="'.$url.'";';
29  echo '</script>';
30
31 ?><!-- patNav.php -->
```

Once the user logs in as a patient they have the option of viewing their information or logging out. When viewing their information, the patient needs to make sure their current information is correct. If it is not correct, they can contact the receptionist to get it corrected.

## repNav.php



The screenshot shows the Med Tech Solutions website. The header features a blue background with white text. Below the header is a dark blue navigation bar with white text. The main content area displays a welcome message and the PHP code for repNav.php.

```
1 <nav class="cf">
2   <ul class="topmenu">
3     <li><a href="appointments.php">Schedule Appointment</a></li>
4     <li><a href="patientLookupIndex.php">Patient Lookup</a></li>
5     <li><a href="staffLookupIndex.php">Staff Lookup</a></li>
6     <li><a href="newPatientIndex.php">New Patient</a></li>
7     <li><a href="newStaffIndex.php">New Staff</a></li>
8     <li><a href="logout.php">Log Out</a></li>
9   </ul>
10 </nav>
11 <!--end navbar-->
12
13 <?php
14   //store the session information in the nav bar so that we can ensure that
15   //the correct type of users are visiting pages that they have access to view.
16
17   //start the session again
18   session_start();
19
20   //retrieve the variables from the session
21   $typeOfUser = $_SESSION['typeUser'];
22   $name = $_SESSION['name'];
23   $userID = $_SESSION['userID'];
24
25   //if user isn't a patient
26   if($typeOfUser != 'reception')
27   {
28     //destroy the session so that the user successfully logs out of the website
29     $_SESSION = array();
30     session_destroy();
31     $url="https://www.beardedpatriot.com/project/controller/login.php";
32     echo '<script type="text/javascript">';
33     echo 'window.location.href="'.$url.'";';
34     echo '</script>';
35   }
36
37 ?><!-- repNav.php -->
```

The receptionist navigation gives the authority to add, edit & delete patients and staff from the database and therefore, the medical practice. The receptionist navigation has the receptionist home page, which will display their name, as well as announcements

for all the receptionists. The receptionist navigation also allows the receptionists to lookup all of the patients and staff at Med Tech Solutions, as well as the ability to add new staff and patients to Med Tech Solutions. The receptionist navigation also gives receptionists the power to schedule appointments when patients call the Med Tech Solutions office.

## Model

### MySQL Database

By using a relational database, we are able to reference data in many tables of the Med Tech Solutions database. We used primary keys to uniquely identify each row in the table and foreign keys to refer to them in other tables within the database.

First we created the database by naming it “ProjectDB” and making sure that it did not exist already on the server. Then we created an Appointments table (if it didn’t exist already). The Appointments table includes columns for the patient’s ID, doctor’s ID, appointment Date, and a slot number, which is the time of the appointment. All of these variables are not null, meaning data has to be inserted or it will not work. Patient ID, doctor ID, and slot number are all integer values. Appointment Date is a varchar value with a limit of 20 characters.

After we created the Appointments table within the database, we inserted data into it. Each set of data needed to be put within parenthesis and separated by commas and to be arranged respectively with how the table is set up; in other words, patient ID comes first, then the doctor ID, appointment Date, and finally the slot number.

Another table we have is the PatientStatus table and it includes columns for the user ID, their current medication, patient history, family history, and their allergies. The key for this table is the user ID. Just as in the Appointments table, we created insert statements of example patients with different family history medical problems.

We then created the Slots table. The Slots table has eight different slots that represent each of the eight hours in one day, which there can be a doctor’s appointment. Each patient gets a one-hour slot period for an appointment. This table also includes columns for a patient ID, doctor ID, the date, and slot number. After creating the table, we create slots for each doctor for every day that they are available to see patients. This creates a row, per day, per doctor, with eight available appointments.

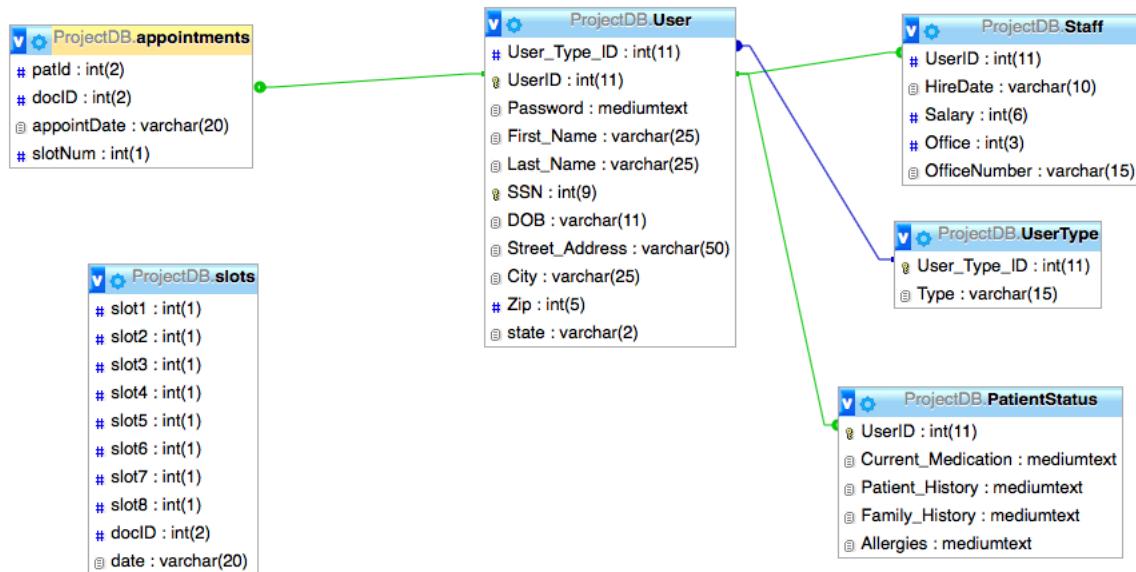
We created a Staff table, which includes columns for important information such as their ID, hire date, salary, office and office number. Then we created a few different staff through insert statements, as well as using the new staff for described above in this documentation.

One of the most important tables we have in the database is the User table. The User table includes different columns that other tables, such as Staff, UserType, and PatientStatus, use as a reference. Its primary key is the user ID, which is referenced by the foreign keys of the UserType, Appointments, PatientStatus, and Staff tables. The User table has a unique key, the user’s SSN.

The final table is UserType, which includes the user ID and its type. This is important because this determines whether the user is a patient, doctor, or receptionist. This table is used to define and show that if one is a patient, their type is 1, if one is a doctor then their type is 2, and if one is a receptionist then their type is 3.

In total, our MySQL database consisted of a total of six tables, which were all linked together by the use of foreign keys. This made the database efficient and well

organized to make retrieving and storing data simple. We have included a picture of the database schema so that all of the connections can be seen.



## database.php

```

<?php
//set the path, username, password for the database connection
$dsn = 'mysql:host=localhost;dbname=whunt7_ProjectDB';
$username = 'whunt7_project';
$password = 'project';

//try to connect to the database
try
{
    //create a new PDO object for the database connection
    $db = new PDO($dsn, $username, $password);
}

//catch any of the errors that may occur during the database connection
catch (PDOException $e)
{
    $error_message = $e->getMessage();
    include('database_error.php');
    exit();
}
?>
  
```

The **database.php** file is used throughout the Med Tech Solutions website. It used to create a PHP Data Object, which connects the website to the MySQL database that we created. It allows all of our webpages to retrieve information from the database and store new information as it is created from the website. If there is an error connecting to the database, whether it's because of a server error, username and password error, etc., then it will include the **database\_error.php** file which consists of HTML.

## database\_error.php

```
database_error.php
1 <div>
2     <h1>Database Error</h1>
3     <p>
4         There was an error connecting to the database. Make sure that you have the database installed,
5         that all of your connection settings are correct, and that MySQL is running.
6     </p>
7     <p>
8         The error message is included below:
9     </p>
10
11
12     <?php
13         //print any error messages that might occur during db connection
14         echo $error_message;
15     ?>
16
17
18 </div>
```

The **database\_error.php** file is a PHP file that consists of HTML code. It is called when there is an error with the **database.php** file when it tries to connect to the MySQL database. This file's main purpose is to print an error message on the screen, which will tell the user why the website cannot connect to the MySQL database.

## Problems Encountered

One of the biggest problems we encountered was scope creep. We had lots of ideas that we wanted to incorporate into our project, but unfortunately we did not have enough time. One of the ideas we had was to have an in-house pharmacy where the doctor could send a prescription for a patient to the pharmacy via our website. We also wanted to have patients able to update their patient history, but this could have possibly compromised the patient's data integrity because we did not have enough time to fully test it. Another problem had to do with Pear. We wanted to incorporate the Pear mailing abilities, but since we wanted to use our time carefully, we decided to use PHP Mail. Although it is limited, it does work for what our project requires.

## Team Signature Page

Team number: 8

Team name: Med Geeks

Team Members:

Captain		Name (Printed)	Signature
X	1)	Baumann, Zakary	
	2)	Hunt, Wilton	
	3)	Patel, Sachin	
	4)	Stanton, Samuel	
	5)	Zimmerman, Katelyn	

Names alphabetized, last name first (as Moodle knows it)

Put an X for the captain (principal contact)

## Appendix:

Highlighted PHP Project Code to Show Project Requirements

# **Root**

```
<div id="footer">
    <?php
        //create string to display a copyright icon in our footer
        $str = 'Copyright Med Geeks ';
        $str2 = '&copy; ';
        echo $str2;
        echo $str;
        echo date('Y');
    ?>
</div>
</body>
</html>
```

# Use of a session and use of secure webpages

```
<?php
session_start();
?>
<html>
    <head>
        <link rel="stylesheet" type="text/css" href="../style.css" />
    </head>

<body>
    <div id="banner">
        <a href="/">
            
        </a>
    </div>

    <?php

        // make sure the page uses a secure connection
        //if it is not a secure conenction, it will force users to connect
securely
        if (!isset($_SERVER['HTTPS']))
        {
            $url = 'https://' .
                $_SERVER['HTTP_HOST'] .
                $_SERVER['REQUEST_URI'];
            header("Location: " . $url);
            exit();
        }
    ?>
```

```
<?php  
  
//this is simply a redirect page to direct to the index file inside of the  
controller  
//folder where the beginning of the website is located.  
  
header('Location: https://www.beardedpatriot.com/project/controller/index.php');  
?>
```

**Original Staff:**

Dr. Sachin Patel Office: 102 Phone: 7049994587  
Katelyn Zimmerman Office: 100 Phone: 7049871223

**Our website reads from this text file**

Updated staff list is below:  
Sachin Patel Room: 102 Phone: 7049994587  
Kate Zimmerman Room: 100 Phone: 7049871223

## Our website writes to this text file

```
-- phpMyAdmin SQL Dump
-- version 4.0.4
-- http://www.phpmyadmin.net
--
-- Host: localhost
-- Generation Time: Dec 02, 2013 at 11:20 PM
-- Server version: 5.5.31
-- PHP Version: 5.4.16

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";

-- Database: `ProjectDB`
--

CREATE DATABASE IF NOT EXISTS `whunt7_ProjectDB` DEFAULT CHARACTER SET latin1 COLLATE latin1_swedish_ci;
USE `whunt7_ProjectDB`;

-----

-- Table structure for table `appointments`
--

CREATE TABLE IF NOT EXISTS `appointments` (
  `patId` int(2) NOT NULL,
  `docID` int(2) NOT NULL DEFAULT '0',
  `appointDate` varchar(20) NOT NULL,
  `slotNum` int(1) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-----

-- Table structure for table `PatientStatus`
--

CREATE TABLE IF NOT EXISTS `PatientStatus` (
  `UserID` int(11) DEFAULT NULL,
  `Current_Medication` mediumtext COLLATE utf8_unicode_ci,
  `Patient_History` mediumtext COLLATE utf8_unicode_ci,
  `Family_History` mediumtext COLLATE utf8_unicode_ci,
```

```
`Allergies` mediumtext COLLATE utf8_unicode_ci,  
UNIQUE KEY `UserID_2` (`UserID`),  
KEY `UserID` (`UserID`)  
) ENGINE=MyISAM DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;
```

```
--  
-- Table structure for table `slots`  
--
```

```
CREATE TABLE IF NOT EXISTS `slots` (  
`slot1` int(1) NOT NULL DEFAULT '0',  
`slot2` int(1) NOT NULL DEFAULT '0',  
`slot3` int(1) NOT NULL DEFAULT '0',  
`slot4` int(1) NOT NULL DEFAULT '0',  
`slot5` int(1) NOT NULL DEFAULT '0',  
`slot6` int(1) NOT NULL DEFAULT '0',  
`slot7` int(1) NOT NULL DEFAULT '0',  
`slot8` int(1) NOT NULL DEFAULT '0',  
`docID` int(2) NOT NULL,  
`date` varchar(20) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `slots`  
--
```

```
INSERT INTO `slots`(`slot1`, `slot2`, `slot3`, `slot4`, `slot5`, `slot6`, `slot7`,  
`slot8`, `docID`, `date`) VALUES  
(0, 0, 0, 0, 0, 0, 0, 2, '12/4/2013'),  
(0, 0, 0, 0, 0, 0, 0, 2, '12/5/2013'),  
(0, 0, 0, 0, 0, 0, 0, 2, '12/6/2013'),  
(0, 0, 0, 0, 0, 0, 0, 2, '12/7/2013'),  
(0, 0, 0, 0, 0, 0, 0, 2, '12/8/2013'),  
(0, 0, 0, 0, 0, 0, 0, 2, '12/9/2013'),  
(0, 0, 0, 0, 0, 0, 0, 2, '12/10/2013'),  
(0, 0, 0, 0, 0, 0, 0, 2, '12/11/2013');
```

```
--  
-- Table structure for table `Staff`  
--
```

```
--  
  
CREATE TABLE IF NOT EXISTS `Staff` (  
  `UserID` int(11) NOT NULL,  
  `HireDate` varchar(10) COLLATE utf8_unicode_ci NOT NULL,  
  `Salary` int(6) NOT NULL,  
  `Office` int(3) NOT NULL,  
  `OfficeNumber` varchar(15) COLLATE utf8_unicode_ci NOT NULL,  
  KEY `UserID` (`UserID`)  
) ENGINE=MyISAM DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;  
  
--  
-- Dumping data for table `Staff`  
--  
  
INSERT INTO `Staff` (`UserID`, `HireDate`, `Salary`, `Office`, `OfficeNumber`) VALUES  
(1, '01/24/2000', 76000, 100, '7049871223'),  
(2, '8/11/2012', 163000, 102, '7049994587');  
  
-----  
  
--  
-- Table structure for table `User`  
--  
  
CREATE TABLE IF NOT EXISTS `User` (  
  `User_Type_ID` int(11) DEFAULT NULL,  
  `UserID` int(11) NOT NULL AUTO_INCREMENT,  
  `Password` mediumtext COLLATE utf8_unicode_ci NOT NULL,  
  `First_Name` varchar(25) COLLATE utf8_unicode_ci NOT NULL,  
  `Last_Name` varchar(25) COLLATE utf8_unicode_ci NOT NULL,  
  `SSN` int(9) NOT NULL,  
  `DOB` varchar(11) COLLATE utf8_unicode_ci NOT NULL,  
  `Street_Address` varchar(50) COLLATE utf8_unicode_ci NOT NULL,  
  `City` varchar(25) COLLATE utf8_unicode_ci NOT NULL,  
  `Zip` int(5) NOT NULL,  
  `state` varchar(2) COLLATE utf8_unicode_ci DEFAULT NULL,  
  PRIMARY KEY (`UserID`),  
  UNIQUE KEY `SSN` (`SSN`),  
  UNIQUE KEY `UserID` (`UserID`),  
  UNIQUE KEY `UserID_2` (`UserID`),  
  KEY `User_Type_ID` (`User_Type_ID`)  
) ENGINE=MyISAM DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci AUTO_INCREMENT=14 ;
```

```
--  
-- Dumping data for table `User`  
  
INSERT INTO `User` (`User_Type_ID`, `UserID`, `Password`, `First_Name`, `Last_Name`,  
`SSN`, `DOB`, `Street_Address`, `City`, `Zip`, `state`) VALUES  
(3, 1, '3f196cfb6c4cff3002c0495a1bc822521b6aa36', 'Kate', 'Zimmerman', 111111111,  
'08/21/1998', '123 Main Street', 'Charlotte', 28227, 'NC'),  
(2, 2, '0d343a34ee781f51d57935a6c19a72eb39aebca6', 'Sachin', 'Patel', 222222222,  
'9/11/1990', '546 Bombay BLVD', 'Charlotte', 28252, 'NC');  
  
-----  
  
--  
-- Table structure for table `UserType`  
  
CREATE TABLE IF NOT EXISTS `UserType` (  
  `User_Type_ID` int(11) NOT NULL,  
  `Type` varchar(15) COLLATE utf8_unicode_ci NOT NULL,  
  PRIMARY KEY (`User_Type_ID`)  
) ENGINE=MyISAM DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;  
  
--  
-- Dumping data for table `UserType`  
  
INSERT INTO `UserType` (`User_Type_ID`, `Type`) VALUES  
(1, 'Patient'),  
(2, 'Doctor'),  
(3, 'Reception');
```

```

#error {
    color: red;
}

#white {
    color: white;
}

#banner {
    background-color: #0C85FC;
    color: #EFAF1;
    font-size: 16pt;
    font-family: "Comic Sans MS", cursive, sans-serif;
    text-align: center;
    width: 1300px;
    margin: 0 auto;
    padding-bottom: 2px;
    border-top-left-radius: 65px 50px;
    border-top-right-radius: 65px 50px;
    -moz-box-shadow: 0px 0px 39px 13px #666;
    box-shadow: 0px 0px 36px 13px #888;
}

#leftContainer
{
    float: left;
    width: 200px;
    height: 200px;
}

#rightContainer
{
    float: right;
    width: 200px;
    height: 200px;
}

#content1 {
    background-color: white;
    color: black;
    margin-bottom: 2px;
    margin-top: 2px;
    height: auto;
    width: 1300px;
    text-align: center;
    margin: 0 auto;
    -moz-box-shadow: 0px 0px 39px 13px #666;
    box-shadow: 0px 13px 36px 13px #888;
}

#footer {
    background-color: #0C85FC;
    color: white;
    text-align: center;
    border-color: #534C4C;
    font-style: italic;
    padding-top: 5px;
    padding-bottom: 20px;
    width: 1300px;
    margin: 0 auto;
    border-bottom-left-radius: 80px 50px;
    border-bottom-right-radius: 80px 50px;
    -moz-box-shadow: 0px 0px 39px 13px #666;
    box-shadow: 0px 13px 13px 13px #888;
}

#login
{
    width: 300px;
    margin: 0 auto;
    padding-top: 100px;
}

/*Element tags*/

table,td,th {
    padding: 7px;
    border: 2px;
    border: solid;
    border-color: black;
    margin: 0 auto;
    text-align: center;
}

p
{
    text-align: center;
}

.button
{
    border: 1px solid #006;
    width: 65%;
}

.button:hover
{
    background: #ff6;
}

.input:hover
{
    background: #ff6;
}

#submit {

}

#contact {
    display: block;
    margin: 0 auto;
}

```

```

        width: 576px;
}

#contact label {
    display: block;
    margin-top: 20px;
    letter-spacing: 2px;
}

#contact form {
    margin: 0 auto;
    width: 459px;
}

#contact textarea{
    height: 513px;
    width: 439px;
    background: #efefef;
    border: 1px solid #dedede;
    padding: 10px;
    margin-top: 3px;
    font-size: 0.9em;
    color: #3a3a3a;
}

#contact input{
    width: 439px;
    background: #efefef;
    border: 1px solid #dedede;
    padding: 10px;
    margin-top: 3px;
    font-size: 0.9em;
    color: #3a3a3a;
}

#submit {
    width: 240px;
    height: 30px;
    cursor: pointer;
}

#submit:hover {
    border: 2px solid;
    opacity: 0.9;
}

/*All of this is for the navigation bar*/
.h2fontstyle
{
    font-style: italic;
}

/*micro-clearfix by Nicolas Gallagher http://nicolasgallagher.com/micro-clearfix-hack*/
/* For modern browsers */
.cf:before, .cf:after
{
    content:"";
    display:table;
}

.cf:after
{
    clear:both;
}

/* For IE 6/7 (trigger hasLayout) */
.cf
{
    zoom:1;
}

/*horizontal menu styles*/
nav
{
    background: #0C85FC;
    height: 2.3em;
    width: 1300px;
    margin: 0 auto;
}

ul, li
{
    margin: 0;
    padding: 0;
    list-style: none;
    float: left;
}

ul
{
    background: #13308E;
    height: 2em;
    width: 100%;
}

li
{
    position: relative;
    margin-right: 2em;
    margin-left: 1em;
}

li a
{
    display: block;
    line-height: 2em;
    padding: 0 1em;
    color: white;
}

```

```
    text-decoration: none;
}
li a:hover, .topmenu li:hover > a
{
    background: #0C85FC;
    height: 2em;
    padding-top: .3em;
    position: relative;
    top: -.3em;
    border-radius: .3em .3em 0 0;
}
.current a, .current a:hover, .topmenu li.current:hover a
{
    background: #13308E;
    color: #eee;
    padding-top: .3em;
    border-radius: .3em .3em 0 0;
    position: relative;
    top: -.3em;
    border-bottom: .3em solid #917F63;
    cursor: default;
}
/*icon styles*/
/*dropdown menu styles*/
ul.submenu
{
    float: none;
    background: #0C85FC;
    width: auto;
    height: auto;
    position: absolute;
    top: 2em;
    left: -900em;
    max-height: 0;
    -moz-transition:max-height 0.5s ease-in-out;
    -webkit-transition:max-height 0.5s ease-in-out;
    -o-transition:max-height 0.5s ease-in-out;
    transition:max-height 0.5s ease-in-out;
    overflow: hidden;
    border-radius: 15px;
}
ul.submenu li
{
    float: none;
}
.topmenu li:hover ul
{
    left: 0;
    max-height: 10em;
}
ul.submenu li a
{
    border-bottom: 1px solid white;
    padding: .2em 1em;
    white-space: nowrap;
}
ul.submenu li:last-child a
{
    border-bottom: none;
}
ul.submenu li a:hover
{
    background: #13308E;
    height: 2em;
    padding-top: .2em;
    top: 0;
    border-radius: 0;
    border-radius: 15px;
}
```

# Navigation

```
<nav class="cf">
  <ul class="topmenu">
    <li><a href="doctorIndex.php">Doctor Home</a></li>
    <li><a href="docPatientLookupIndex.php">Patient Lookup</a></li>
    <li><a href="logout.php">Log Out</a></li>
  </ul>
</nav>
<!--end navbar-->

<?php
  //store the session information in the nav bar so that we can ensure that
  //the correct type of users are visiting pages that they have access to view.

  //start the session again
  session_start();

  //retrieve the variables from the session
  $typeOfUser = $_SESSION['typeUser'];
  $name = $_SESSION['name'];
  $userID = $_SESSION['userID'];

  //if user isnt a patient
  if($typeOfUser != 'doctor')
  {
    //destroy the session so that the user successfully logs out of the website
    $_SESSION = array();
    session_destroy();
    $url="https://www.beardedpatriot.com/project/controller/login.php";
    echo '<script type="text/javascript">';
    echo 'window.location.href="'.$url.'";';
    echo '</script>';
  }
?>
```

```
<nav class="cf">
  <ul class="topmenu">
    <li><a href="index.php">Home</a></li>
    <li>
      <a href="services.php">Services</a>
      <ul class="submenu">
        <li><a href="poster.php">Staff Information</a></li>
        <li><a href="healthyExercise.php">Exercise Tips</a></li>
        <li><a href="healthyEating.php">Eating Tips</a></li>
      </ul>
    </li>
    <li><a href="contact.php">Contact Us</a></li>
    <li><a href="login.php">Log In</a></li>
  </ul>
</nav>
<!--end navbar-->
```

```
<nav class="cf">
    <ul class="topmenu">
        <li><a href="patientInformation.php">My Information</a></li>
        <li><a href="logout.php">Log Out</a></li>
    </ul>
</nav>
<!--end navbar-->
<?php
    //store the session information in the nav bar so that we can ensure that
    //the correct type of users are visiting pages that they have access to view.

    //start the session again
    session_start();

    //retrieve the variables from the session
    $typeOfUser = $_SESSION['typeUser'];
    $name = $_SESSION['name'];
    $userID = $_SESSION['userID'];

    //if user isnt a patient
    if($typeOfUser != 'patient')
    {
        //destroy the session so that the user successfully logs out of the
        website
        $_SESSION = array();
        session_destroy();
        $url="https://www.beardedpatriot.com/project/controller/login.php";
        echo '<script type="text/javascript">';
        echo 'window.location.href="'.$url.'";';
        echo '</script>';
    }
?>
```

```
<nav class="cf">
  <ul class="topmenu">
    <li><a href="appointments.php">Schedule Appointment</a></li>
    <li><a href="patientLookupIndex.php">Patient Lookup</a></li>
    <li><a href="staffLookupIndex.php">Staff Lookup</a></li>
    <li><a href="newPatientIndex.php">New Patient</a></li>
    <li><a href="newStaffIndex.php">New Staff</a></li>
    <li><a href="logout.php">Log Out</a></li>
  </ul>
</nav>
<!--end navbar-->

<?php
  //store the session information in the nav bar so that we can ensure that
  //the correct type of users are visiting pages that they have access to view.

  //start the session again
  session_start();

  //retrieve the variables from the session
  $typeOfUser = $_SESSION['typeUser'];
  $name = $_SESSION['name'];
  $userID = $_SESSION['userID'];

  //if user isnt a patient
  if($typeOfUser != 'reception')
  {
    //destroy the session so that the user successfully logs out of the
    website
    $_SESSION = array();
    session_destroy();
    $url="https://www.beardedpatriot.com/project/controller/login.php";
    echo '<script type="text/javascript">';
    echo 'window.location.href="'.$url.'";';
    echo '</script>';
  }
?>
```

# **Controller**

---

```
<?php
    include("../Header.php");
    include("../nav/genNav.php");
?>

<div id="content1">
    <br/>

    <h1>Contact Us</h1>

    <div id="contact">
        <form name="contact" method="post" action="contact.php">
            <label style="margin-left: -385px">Name:</label>
            <input name="name" placeholder="Type name here."/>

            <label style="margin-left: -380px">Email:</label>
            <input name="email" type="email" placeholder="Type email here."/>

            <label style="margin-left: -360px">Message:</label>
            <textarea name="message" placeholder="Type message here"></textarea>
            <br/><br/>

            <input id="submit" type="submit" name="submit" value="submit"/>
        </form>
    </div>

    <?php
    //process the form for the data
    $name = $_POST['name'];
    $email = $_POST['email'];
    $message = $_POST['message'];

    //set email parameters
    $subject = 'Contact Form Result';
    $from = $email;
    $to = 'whunt7@uncc.edu';
    $headers = "From: zbaumann@uncc.edu";
    //$bodyEmail = "From: $name\n Email: $email\n Message:\n $message";

    if(!empty($name) && !empty($email) && !empty($message))
    {
```

```
    mail($to, $subject, $message, $headers);
}
//send email
//if($_POST['submit'])
//{
//if ()
//{
// echo '<p>Your message has been sent to our servers. Thank you!</p>';
//}
//else
//{
// echo '<p>There was an error, try again.</p>';
//}
//}
?>
<br/>
</div>

<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
    include("../nav/genNav.php");
?>

<div id="content1">
    <br/>
    <h2>Quick Health Tips:</h2>
    <p>
        Breakfast really is the most important meal of the day! It boosts your metabolism, <br/>
        keeps you from binge eating, and can even get you in a better mood. Here are some recipes <br/>
        for different breakfast foods:
        <br/>
        <h4>Peanut Butter Waffle</h4>
        
        <br/><br/>
        Boost your protein and fiber by grabbing a whole-grain or bran toaster waffle
<br/>
        and spread 2 tablespoons of peanut butter on top. You can even add raisins, sesame seeds, <br/>
        or more peanuts for an extra boost of fiber!
        <br/>
        <h4>Strawberry Shake</h4>
        
        <br/><br/>
        Combine a packet of instant-breakfast powder of vanilla or strawberry and 1 cup of low-fat strawberry soy milk. <br/>
        You can also use a blender to add frozen strawberries, frozen bananas, or a scoop of protein powder, <br/>
        such as GeniSoy Natural, for extra fiber!
        <br/>
        <h4>Yummy Cereal</h4>
        
        <br/><br/>
        A bowl of about 1 1/2 cups of fiber-rich bran flakes with 8 ounces of low-fat milk makes for a great breakfast. <br/>
        If you're on the go, replace the milk with lemon or vanilla yogurt. Increase the fiber and vitamins by adding 1/4 cup of nuts <br/>
        or fresh or dried fruit, such as chopped pecans or blueberries.
    </p>
    <br/>
```

</div>

<?php include("../Footer.php");?>

```
<?php
    include("../Header.php");
    include("../nav/genNav.php");
?>

<div id="content1">
    <br/>
    <p>
        <h2>Quick Exercise Tips</h2>
        We know, we know - you're too busy or tired to work out every day. But people
        who exercise regularly are healthier, <br/>
        feel happier, and have more energy than those who don't. Try these quick tips
        at home to get a <br/>
        bit of exercise in your day:
        <h4>One-Legged Squat Reach</h4>
        
        <br/>
        1. Stand on left leg with right foot a few inches off ground near left ankle.
<br/>
        2. Bend left leg about 90 degrees, keeping back straight and reaching right
        hand to outside of left foot. <br/>
        3. Return to start. Continue for 30 seconds (or 15 reps), then switch sides
        and repeat for 30 seconds.
        <h4>Liftoff</h4>
        
        <br/>
        1. Stand with feet together, arms by sides. <br/>
        2. Hinge forward from hips until back is parallel to ground, arms extended
        down. <br/>
        3. Simultaneously lift left leg behind you and raise arms directly out to
        sides. <br/>
        4. Maintaining hinge position, lower arms and leg so that they are a few
        inches off ground; <br/>
            repeat for 1 minute. Switch legs for next circuit.
        <h4>Pendulum</h4>
        
        <br/>
        1. Balance on right leg, left leg bent and raised behind you slightly. With
        right hand on hip, <br/>
            lower into a squat on right leg and reach left hand toward right toes.
<br/>
        2. Rise up, keeping left foot off floor, and reach left arm forward. <br/>
        3. Reach left arm overhead and lean back slightly as you extend left leg
```

forward. Hold for 1 count, <br/>  
keeping abs tight, and then lean over to touch toes again. <br/>  
4. Do 10 reps, then switch legs and repeat.

</p>  
<br/>  
</div>

<?php include("../Footer.php");?>

```
<?php
    include("../Header.php");
    include("../nav/genNav.php");
?>
<div id="content1">

    <br/>
    
    <br/><br/><br/><br/><br/>
    <h1>Welcome!</h1>
    <p>
        Welcome to Med Tech Solutions! As a premier healthcare organization, we are here to make your life easier <br/>
        by inspiring great health. Whether it be creating a patient profile, scheduling a doctor's appointment, <br/>
        or other medicals needs, we've got it! We invite you to navigate through our links at the top of the page to<br/>
        learn more about what specialties we have to offer.
    </p>
    <br/>
</div>
<?php include("../Footer.php");?>
```

# This is our home page

```
<?php
    include("../Header.php");
    include("../nav/genNav.php");
?>
<div id="content1">
    <div id="login">
        <form name="loginForm" action="../view/login_page.php" method="post">
            <fieldset>
                <legend>Login</legend>
                <center><label>User ID <br/>(received this from receptionist):<br/>
                    <input type="text" name="username" class="input" size="9" maxlength="2"/>
                </label></center>
                <br/>
                <center><label>Password: <br/>
                    <input type="password" name="password" class="input" size="9" maxlength="9"/>
                </label></center>
                <br/>
                <center><input type="submit" value="Login" size="15px" maxlength="50px" class="button"/></center>
                <br/>
            </fieldset>
        </form>
        <br/>
        <br/>
        <br/>
        <br/>
    </div>

<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
    include("../nav/genNav.php");
    require("../model/database.php");
?>

<div id="content1">
    <br/>

    <?php
        //read the information from the poster.txt file
        $file = fopen('../originalStaff.txt', 'rb');

        $names = '';

        //when it is NOT at the end
        while (!feof($file))
        {
            //read a line from the file
            $name = fgets($file);

            if ($name === false)
            {
                continue;
            }

            $name = trim($name);

            if (strlen($name) == 0 || substr($name, 0, 1) == '#')
            {
                continue;
            }

            $names .= "<div>" . $name . "</div>\n";
        }

        fclose($file); //close the file
        echo $names; //display all of the content
?>

<?php
```

```
//write to the file

    //open the file for writing, clear any of the existing data, and write to the
new file with the new data
    $file = fopen('../poster.txt', 'wb');
    $string = "Updated staff list is below:";
    fwrite($file, $string . "\n");

    //create something that you want to write to the txt file
    //get the newly added staff from the database
    $query = "select First_Name, Last_Name, Office, OfficeNumber from User, Staff
              where User.userID = Staff.userID
              order by Last_Name ASC";

$staffs = $db->query($query);
foreach ($staffs as $staff)
{
    //write it to the file
    $fname = $staff['First_Name'];
    $lname = $staff['Last_Name'];
    $office = "Room: " . $staff['Office'];
    $officeNum = "Phone: " . $staff['OfficeNumber'];
    fwrite($file, $fname . " " . $lname . " " . $office . " " . $officeNum .
"\n");
}

//close the file
fclose($file);

?>
<br/>
</div>

<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
    include("../nav/genNav.php");
?>
<div id="content1">
<br/>
    <div id="page">
        <div id="header"><h1>Medical Video Search</h1></div>
        <div id="header"><h2>(i.e. Vitamins, Nutrition, Exercise)</h2></div>
        <p>Search on a topic and click the picture to watch the video.</p>
        <div id="main">

            <h2>Search</h2>
            <form action="servicesProcess.php" method="post">
                <input type="text" name="query" value="<?php echo $query; ?>" />
                <input type="submit" value="Search"/>
            </form>
            <?php if (count($videos) != 0) : ?>
                <h2>Results</h2>
                <table>
                    <?php foreach ($videos as $video) :
                        $imgsrc = $video['media$group']['media$thumbnail'][0]['url'];
                        $url = $video['link'][0]['href'];
                        $text = $video['title'][$t];
                    ?>
                    <tr>
                        <td>
                            <a target="_blank" href="<?php echo $url; ?>">
                                
                            </a>
                        </td>
                    </tr>
                    <?php endforeach; ?>
                </table>
            <?php endif; ?>
            <br/>
        </div>
        <?php include("../Footer.php"); ?>
```

## Retrieve data from another web resource - YouTube

```
<?php
session_start();

function search_youtube($query) {
    // Set up the URL for the query
    $query = urlencode($query);
    $base_url = 'http://gdata.youtube.com/feeds/api/videos';
    $params = 'alt=json&q=' . $query;
    $url = $base_url . '?' . $params;

    // Use cURL to get data in JSON format
    $curl = curl_init($url);
    curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
    $json_data = curl_exec($curl);
    curl_close($curl);

    // Get an array of videos from the JSON data and return it
    $data = json_decode($json_data, true);
    $videos = $data['feed']['entry'];
    return $videos;
}

if (isset($_POST['action'])) {
    $action = $_POST['action'];
} else {
    $action = 'search';
}

if (isset($_POST['query'])) {
    $query = $_POST['query'];
    $_SESSION['query'] = $query;
} else if (isset($_SESSION['query'])) {
    $query = $_SESSION['query'];
} else {
    $query = '';
}

switch ($action) {
    case 'search':
        if (!empty($query)) {
            $videos = search_youtube($query);
        }
        include 'services.php';
}
```

## Retrieve data from another web resource - YouTube

```
break;  
  
default:  
    include 'services.php';  
    break;  
}  
  
?>
```

# View

```
<?php
    include("../Header.php");
    include("../nav/repNav.php");
    require("../model/database.php");
?>
<?php
    //session_start();
    //process form data for appointment
    $doctorLastName = $_POST['doctor'];
    $patientID = $_POST['patientID'];
    $date = $_POST['date'];

    //use queries to get the doctor's
    $query = "select UserID from User where Last_Name = '$doctorLastName'";
    $value2 = $db->query($query);
    $ids = $value2->fetch();

    //assign the doctor's id to a variable
    $docID = $ids['UserID'];

    //query to grab the time slots for a particular day, showing patients ids in
    reserved spots
    $query3 = "select slot1, slot2, slot3, slot4, slot5, slot6, slot7, slot8 from
slots where docID = '$docID' and date = '$date'";

    //grab the slots from the selected doctor and day
    $value = $db->query($query3);
    $slots = $value->fetch();

    //assign the slots to variables
    $slot1 = $slots['slot1'];
    $slot2 = $slots['slot2'];
    $slot3 = $slots['slot3'];
    $slot4 = $slots['slot4'];
    $slot5 = $slots['slot5'];
    $slot6 = $slots['slot6'];
    $slot7 = $slots['slot7'];
    $slot8 = $slots['slot8'];

    //determines if a appointment time is available
    function available($slt)
    {
        //if it is available, call the book() function
    }
}
```

```
if($slt == 0)
{
    //echo available
    book();
}

//if it is booked, echo the patient ID
else
{
    echo "Patient ID: " . $slt;
}
}

function book()
{
    echo "Available";
}

?>

<!-- Print the doctor name and date of the appointment -->
<h3 align="center"><?php echo "Doctor " . $doctorLastName; ?></h3>
<h3 align="center"><?php echo "Date " . $date; ?></h3>
<table>
    <tr>
        <th>8 AM</th>
        <th>9 AM</th>
        <th>10 AM</th>
        <th>11 AM</th>
        <th>1 PM</th>
        <th>2 PM</th>
        <th>3 PM</th>
        <th>4 PM</th>
    </tr>
    <tr>
        <td><?php available($slot1); ?></td>
        <td><?php available($slot2); ?></td>
        <td><?php available($slot3); ?></td>
        <td><?php available($slot4); ?></td>
        <td><?php available($slot5); ?></td>
        <td><?php available($slot6); ?></td>
        <td><?php available($slot7); ?></td>
        <td><?php available($slot8); ?></td>
    </tr>
</table>
```

```
<?php
    //create an array of empty appointment times
    $temp = array($slot1, $slot2, $slot3, $slot4, $slot5, $slot6, $slot7,
$slot8);
    $emptySlot = array();
    for ($count = 0; $count <= 7; $count++)
    {
        if($temp[$count] == 0)
        {
            $emptySlot[$count] = $count;
        }
    }
?>

<br/><br/>
<div align="center">
    <form action="schedule.php" method="post">
        <?php echo "Patient ID to be scheduled: " . $patientID; ?><br />

        <select name="slotNum">
            <!-- Print the slots the are available in a drop down menu -->
            <?php foreach($emptySlot as $empty) {?>
                <option value="<?php echo $empty + 1;?>">Slot: <?php echo $empty +
1;?></option>
            <?php } ?>
        </select>
        <input type="hidden" name="date" value="<?php echo $date; ?>"/>
        <input type="hidden" name="doctorID" value="<?php echo $docID; ?>"/>
        <input type="hidden" name="patID" value="<?php echo $patientID; ?> "/>
        <input type="submit" name="schedule" value="Schedule"/>
    </form>
    <br/>
</div>

<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
    include("../nav/repNav.php");
    require("../model/database.php");
?>

<div id="content1">
    <br/>
    <form name="apptForm" action="appointmentProcess.php" method="post">
        <h4>Make Patient Appointments</h4>

        <p>Input the correct doctor, the patient's ID, and the desired date to check
        for all available appointments.</p>

        Doctor:
        <select name="doctor">
            <?php
                //display all of the doctors in a dropdown menu
                $query = 'select * from User
                    where user_type_id = 2
                    order by last_name ASC';

                $doctors = $db->query($query);
                foreach($doctors as $doctor) {
                    $lname = $doctor['Last_Name'];
                    $docID = $doctor['UserID'];

                ?>
                <option><?php echo $lname; ?></option>
            <?php } ?> <!-- end the for each statement -->
        </select>
        <br /> <br />
        Patient ID: <input name="patientID" size="2" maxlength="2" />
        <br />
        <br />
        Appointment Time:<br/>
        <select name="date">
            <option value="12/4/2013">12/4/2013</option>
            <option value="12/5/2013">12/5/2013</option>
            <option value="12/6/2013">12/6/2013</option>
            <option value="12/7/2013">12/7/2013</option>
            <option value="12/8/2013">12/8/2013</option>
            <option value="12/9/2013">12/9/2013</option>
            <option value="12/10/2013">12/10/2013</option>
```

---

```
<option value="12/11/2013">12/11/2013</option>
</select>

    <input type="submit" value="Search"/>
</form>
<br/>
</div>
<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
    include("../nav/docNav.php");
?>
<div id="content1">
    <br/>
    <h1>Patient Lookup</h1>
    <table>
        <th>Last Name</th>
        <th>First Name</th>
        <th>Date of Birth</th>
        <th>Street Address</th>
        <th>City</th>
        <th>State</th>
        <th>Zip</th>
        <?php require("../model/database.php"); ?>

    <?php

        //set up a query a loop through each of the patients so that it can be
        displayed for the doctor in a table

        $query = 'select * from User
                  where user_type_id = 1
                  order by last_name ASC';

        $patients = $db->query($query);
        foreach($patients as $patient) {
    ?>
    <tr>
        <td><?php echo $patient['Last_Name'];?></td>
        <td><?php echo $patient['First_Name'];?></td>
        <td><?php echo $patient['DOB'];?></td>
        <td><?php echo $patient['Street_Address'];?></td>
        <td><?php echo $patient['City'];?></td>
        <td><?php echo $patient['state'];?></td>
        <td><?php echo $patient['Zip'];?></td>
    </tr>
    <?php } ?>
</table>
<br/>
</div>
<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
    include("../nav/docNav.php");
?>
<div id="content1">
<?php
    echo "Welcome: " . $name;
?>
<br/><br/>
</div>
<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
?>
<div id="content1">
<?php
    //require the database because we will be accessing it for a login
    require("../model/database.php");

    //get the information from the login form
    $userName = $_POST['username'];
    $pass = $_POST['password'];

    //hash the password the user inputted
    $pass = sha1($pass);

    //write a query to select the userID from the User table for the inputted
    userName
    $query = "select userID from User where userID = '$userName'";

    //run the query and get the 'userID' column from the results
    $users = $db->query($query);
    $userID = $users->fetch();
    $userID = $userID['userID'];

    //if it return no users
    if(empty($userID))
    {
        echo "<p>You have entered an incorrect User ID</p>";
    }

    //if there is a matching user
    else
    {
        //write a query retrieve the stored hashed password from the database for
        the entered user
        $query = "select Password from User where userID = '$userID'";

        //run the query and get the 'password' column from the results
        $password = $db->query($query);
        $hashedPassword = $password->fetch();
        $hashedPassword = $hashedPassword['Password'];
```

# Use of MySQL Database

## Use of a session

```
//write a query retrieve the first name from the database for the entered
user
$query = "select First_Name from User where userID = '$userID'";

//run the query and get the 'first_name' column from the results
$fname = $db->query($query);
$name = $fname->fetch();
$name = $name['First_Name'];

//if passwords match
if($pass == $hashedPassword)
{
    //write a query retrieve the type of user from the database for the
entered user
    $query = "select user_type_id from User where userID = '$userID'";
    $userTypeID = $db->query($query);
    $userType = $userTypeID->fetch();
    $userType = $userType['user_type_id'];

    $query1 = "select userID from User where userID = '$userID'";
    $userTypeID = $db->query($query1);
    $userID = $userTypeID->fetch();
    $userID = $userID['userID'];

    //based on the user type go to a different location on our website
    //1 = patient
    //2 = doctor
    //3 = reception
    switch($userType)
    {
        case 1:
            //define variables
            $lifetime = 60 * 60 * 8; //8 hours
            $path = '/';
            session_set_cookie_params($lifetime, $path);

            //session start
            session_start();

            $_SESSION['typeUser'] = 'patient';
            $_SESSION['name'] = $name;
```

```
$_SESSION['userID'] = $userID;

//redirect to correct page

$url1="https://www.beardedpatriot.com/project/view/patientInformation.php";
echo '<script type="text/javascript">';
echo 'window.location.href="'.$url1.'";';
echo '</script>';
break;

case 2:
    //define variables
    $lifetime = 60 * 60 * 8; //8 hours
    $path = '/';
    session_set_cookie_params($lifetime, $path);

    //session start
    session_start();

    $_SESSION['typeUser'] = 'doctor';
    $_SESSION['name'] = $name;
    $_SESSION['userID'] = $userID;

    //redirect to correct page

$url2="https://www.beardedpatriot.com/project/view/doctorIndex.php";
echo '<script type="text/javascript">';
echo 'window.location.href="'.$url2.'";';
echo '</script>';
break;

case 3:
    //define variables
    $lifetime = 60 * 60 * 8; //8 hours
    $path = '/';
    session_set_cookie_params($lifetime, $path);

    $_SESSION['typeUser'] = 'reception';
    $_SESSION['name'] = $name;
    $_SESSION['userID'] = $userID;

    //redirect to correct page
```

```
$url3="https://www.beardedpatriot.com/project/view/receptionIndex.php";
        echo '<script type="text/javascript">';
        echo 'window.location.href="'. $url3 . '";';
        echo '</script>';
        break;
    }
}

//if the passwords do NOT match up
else
{
    echo "<br/>";
    echo "<p>You have entered the incorrect password.</p>";
}
}//else for matching user
?>
<br/>
</div>
<?php include("../Footer.php");?>
```

# Use of a session

```
<?php
    include("../Header.php");
    include("../nav/genNav.php");
?>
<div id="content1">
<br/>
<?php
    //load the session from other web pages
    //In the header

    //destroy the session so that the user successfully logs out of the website
    $_SESSION = array();
    session_destroy();

    echo "<h3>You have successfully logged out! You will be redirected to the homepage shortly.</h3>";
    $url="https://www.beardedpatriot.com/project/index.php";
    echo '<script type="text/javascript">';
    echo 'window.location.href="'.$url.'";';
    echo '</script>';
?>
<br/>
</div>
<?php include("../Footer.php");?>
```

```
<?php
    //initialize all of the form data
    $fname = '';
    $lname = '';
    $streetAddress = '';
    $city = '';
    $state = '';
    $zip = '';
    $ssn = 0;
    $month = 0;
    $day = 0;
    $year = 0;
    $patientHealth = '';
    $familyHealth = '';

?>

<form action="newPatientIndex.php" method="post">
    First Name: <input type="text" name="firstName"/><br/>
    Last Name: <input type="text" name="lastName"/><br/>
    Street Address: <input type="text" name="streetAddress"/><br/>
    City: <input type="text" name="city"/><br/>
    State: <input type="text" name="state" size="2" maxlength="2"/><br/>
    Zip Code: <input type="text" name="zip" size="5" maxlength="5"/><br/>
    SSN (xxxxxxxxx): <input type="text" name="SSN" size="9" maxlength="9"/><br/>
    DOB: <br/>
    Month: <select name="month">
        <option value="1">01</option>
        <option value="2">02</option>
        <option value="3">03</option>
        <option value="4">04</option>
        <option value="5">05</option>
        <option value="6">06</option>
        <option value="7">07</option>
        <option value="8">08</option>
        <option value="9">09</option>
        <option value="10">10</option>
        <option value="11">11</option>
        <option value="12">12</option>
    </select>
    Day: <select name="day">
        <option value="1">01</option>
        <option value="2">02</option>
        <option value="3">03</option>
```

```
<option value="4">04</option>
<option value="5">05</option>
<option value="6">06</option>
<option value="7">07</option>
<option value="8">08</option>
<option value="9">09</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
<option value="13">13</option>
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</option>
<option value="20">20</option>
<option value="21">21</option>
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
<option value="28">28</option>
<option value="29">29</option>
<option value="30">30</option>
<option value="31">31</option>
</select>
4 Digit Year:<input type="text" name="dobYear" size="4"
maxlength="4"/><br/><br/>
Patient Medical History: <br/>
<textarea name="patientHealth" rows="4" cols="50" placeholder="Please list any
of your current health problems and separate each problem with a ',''
(comma)."></textarea>
<br/>Family Health Problems: <br/>
<textarea name="familyHealth" rows="4" cols="50" placeholder="Please list any
history of family health problems and separate each problem with a ',''
(comma)."></textarea>
<br/>
<input type="submit"/>
<br/>
</form>
```

<br/>

```
<?php
    include("../Header.php");
    include("../nav/repNav.php");
?>

<div id="content1">
    <br/>
    <h1>New Patient Registration</h1>

    <?php
        require("../model/database.php");
        include("newPatient.php");
    ?>
</div>
<?php
    include("../Footer.php");
?>
<br/><br/>
<div id="white">
    <?php
        $fname = $_POST['firstName'];
        $lname = $_POST['lastName'];
        $street = $_POST['streetAddress'];
        $city = $_POST['city'];
        $state = $_POST['state'];
        $zip = $_POST['zip'];
        $SSN = $_POST['SSN'];
        $month = $_POST['month'];
        $day = $_POST['day'];
        $year = $_POST['dobYear'];
        $patientHistory = $_POST['patientHealth'];
        $familyHistory = $_POST['familyHealth'];

        $dob = $month."/".$day."/".$year;

        $password = sha1($SSN);

        $insertToUser = "insert into User (user_type_id, first_name, last_name,
        Password, ssn, dob, street_address, city, zip, state)
                        values (1, '$fname', '$lname', '$password', '$SSN', '$dob',
        '$street', '$city', '$zip', '$state')";
    ?>
```

```
if(empty($SSN))
{
}
else
{
    $db->query($insertToUser);

    $userIDquery = "select userID from User where ssn = '$SSN'";

    $value = $db->query($userIDquery);
    $userID = $value->fetch();
    $userID2 = $userID['userID'];
    echo $userID2;
    $insertToPatientStatus = "insert into PatientStatus (userID,
patient_history, family_history)
                                values ('$userID2', '$patientHistory',
'$familyHistory')";

    $db->query($insertToPatientStatus);
}?
<br/><br/>
</div>
```

```
<form action="newStaffIndex.php" method="post">
    First Name:<input type="text" name="firstName"/><br/>
    Last Name: <input type="text" name="lastName"/><br/>
    Staff Type:
    <select name="staffType">
        <option value="2">Doctor</option>
        <option value="3">Reception</option>
    </select>
    <br/>
    Street Address:<input type="text" name="streetAddress"/><br/>
    City:<input type="text" name="city"/><br/>
    State:<input type="text" name="state" size="2" maxlength="2"/><br/>
    Zip Code:<input type="text" name="zip" size="5" maxlength="5"/><br/>
    SSN: <input type="text" name="SSN" size="9" maxlength="9"/><br/>
    DOB: <br/>
    Month:<select name="dobMonth">
        <option value="1">01</option>
        <option value="2">02</option>
        <option value="3">03</option>
        <option value="4">04</option>
        <option value="5">05</option>
        <option value="6">06</option>
        <option value="7">07</option>
        <option value="8">08</option>
        <option value="9">09</option>
        <option value="10">10</option>
        <option value="11">11</option>
        <option value="12">12</option>
    </select>
    Day:<select name="dobDay">
        <option value="1">01</option>
        <option value="2">02</option>
        <option value="3">03</option>
        <option value="4">04</option>
        <option value="5">05</option>
        <option value="6">06</option>
        <option value="7">07</option>
        <option value="8">08</option>
        <option value="9">09</option>
        <option value="10">10</option>
        <option value="11">11</option>
        <option value="12">12</option>
        <option value="13">13</option>
```

```
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</option>
<option value="20">20</option>
<option value="21">21</option>
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
<option value="28">28</option>
<option value="29">29</option>
<option value="30">30</option>
<option value="31">31</option>
</select>
4 Digit Year:<input type="text" name="dobYear" size="4"
maxlength="4"/><br/><br/>

Date of Hire: <br/>
Month:<select name="dohMonth">
<option value="1">01</option>
<option value="2">02</option>
<option value="3">03</option>
<option value="4">04</option>
<option value="5">05</option>
<option value="6">06</option>
<option value="7">07</option>
<option value="8">08</option>
<option value="9">09</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
</select>
Day:<select name="dohDay">
<option value="1">01</option>
<option value="2">02</option>
<option value="3">03</option>
<option value="4">04</option>
<option value="5">05</option>
```

```
<option value="6">06</option>
<option value="7">07</option>
<option value="8">08</option>
<option value="9">09</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
<option value="13">13</option>
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</option>
<option value="20">20</option>
<option value="21">21</option>
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
<option value="28">28</option>
<option value="29">29</option>
<option value="30">30</option>
<option value="31">31</option>
</select>
4 Digit Year:<input type="text" name="dohYear" size="4"
maxlength="4"/><br/><br/>
Salary: $<input type="text" name="salary" size="6" maxlength="6"/>
<br/>
Office Door Number:<input type="text" name="officeNum" size="3"
maxlength="3"/>
<br/>
Office Phone:<input type="text" name="officePhone" size="10" maxlength="10"/>
<br/><br/>
<input type="submit"/>
<br/>
</form>
<br/>
```

```
<?php
    include("../Header.php");
    include("../nav/repNav.php");
?>

<div id="content1">
    <br/>
    <h1>New Staff Registration</h1>
    <?php
        require("../model/database.php");
        include("newStaff.php");
    ?>
</div>
<?php
    include("../Footer.php");
?>

<br/><br/>
<div id="white">
    <?php
        //get all of the form data
        $fname = $_POST['firstName'];
        $lname = $_POST['lastName'];
        $staffType = $_POST['staffType'];
        $street = $_POST['streetAddress'];
        $city = $_POST['city'];
        $state = $_POST['state'];
        $zip = $_POST['zip'];
        $SSN = $_POST['SSN'];
        $month = $_POST['dobMonth'];
        $day = $_POST['dobDay'];
        $year = $_POST['dobYear'];
        $hmonth = $_POST['dohMonth'];
        $hday = $_POST['dohDay'];
        $hyear = $_POST['dohYear'];
        $salary = $_POST['salary'];
        $officeDoor = $_POST['officeNum'];
        $officeNum = $_POST['officePhone'];

        //format the dates correctly
        $dob = $month."/".$day."/".$year;
        $doh = $hmonth."/".$day."/".$hyear;
```

```
//create a password for them based on the hash of their social security
number
$password = sha1($SSN);

//staff type: 2 = doctor 3 = Reception

$insertToUser = "insert into User (user_type_id, first_name, last_name,
Password, ssn, dob, street_address, city, zip, state)
values ('$staffType', '$fname', '$lname', '$password',
'$SSN', '$dob', '$street', '$city', '$zip', '$state')";

//don't allow registration of the staff if there is a blank SSN
if(empty($SSN))
{
}

//if there is a valid SSN then proceed with registration
else
{
    $db->query($insertToUser);
    $userIDquery = "select UserID from User where ssn = '$SSN';

    $value = $db->query($userIDquery);
    $userID = $value->fetch();
    $userID2 = $userID['UserID'];
    $insertToStaff = "insert into Staff (UserID, hireDate, salary, office,
officeNumber)
values ('$userID2', '$doh', '$salary',
'$officeDoor', '$officeNum')";

    echo $userID2;
    echo $insertToStaff;

    $db->query($insertToStaff);

//if its a doctor, then create slots for appointments
if($staffType == 2)
{
    $fetchDocID = "select UserID from User where ssn = '$SSN'";
    $value2 = $db->query($fetchDocID);
    $docID = $value2->fetch();
```

```
$docID2 = $docID['UserID'];

echo $docID2;

$appts1 = "insert into slots (docID, date) values ('$docID2',
'12/4/2013')";
$appts2 = "insert into slots (docID, date) values ('$docID2',
'12/5/2013')";
$appts3 = "insert into slots (docID, date) values ('$docID2',
'12/6/2013')";
$appts4 = "insert into slots (docID, date) values ('$docID2',
'12/7/2013')";
$appts5 = "insert into slots (docID, date) values ('$docID2',
'12/8/2013')";
$appts6 = "insert into slots (docID, date) values ('$docID2',
'12/9/2013')";
$appts7 = "insert into slots (docID, date) values ('$docID2',
'12/10/2013')";
$appts8 = "insert into slots (docID, date) values ('$docID2',
'12/11/2013');

$db->query($appts1);
$db->query($appts2);
$db->query($appts3);
$db->query($appts4);
$db->query($appts5);
$db->query($appts6);
$db->query($appts7);
$db->query($appts8);

}

?

</div>
```

```
<?php
    include("../Header.php");
    include("../nav/patNav.php");
    require("../model/database.php");
?>

<div id="content1">
    <?php
        echo "<br/>";
        echo "Welcome: " . $name;
    ?>
    <table>
        <tr>
            <th>User ID</th>
            <th>First Name</th>
            <th>Last Name</th>
            <th>Date of Birth</th>
            <th>Street Address</th>
            <th>City</th>
            <th>State</th>
            <th>Zip</th>
        </tr>
        <?php
            //get patient information from database
            // $userID comes from the session, located in the navigation
            $query = "select * from User where userID = $userID";
            $info = $db->query($query);
            foreach($info as $pat) {
        ?>
        <tr>
            <td><?php echo $pat['UserID'];?></td>
            <td><?php echo $pat['First_Name'];?></td>
            <td><?php echo $pat['Last_Name'];?></td>
            <td><?php echo $pat['DOB'];?></td>
            <td><?php echo $pat['Street_Address'];?></td>
            <td><?php echo $pat['City'];?></td>
            <td><?php echo $pat['state'];?></td>
            <td><?php echo $pat['Zip'];?></td>
        </tr>
        <?php } ?>
    </table>
```

```
<p style="color: red">  
    If you see any information that is incorrect, please contact the reception to  
get the information corrected.  
    Here is link to the <a href="../controller/contact.php">"Contact Us" page.</a>  
</p>  
<br/>  
</div>  
<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
    include("../nav/repNav.php");
?>
<div id="content1">
    <br/>
    <h1>Patient Lookup</h1>
    <table>
        <th>Patient ID</th>
        <th>Last Name</th>
        <th>First Name</th>
        <th>Password</th>
        <th>Date of Birth</th>
        <th>Street Address</th>
        <th>City</th>
        <th>State</th>
        <th>Zip</th>
    <? require("../model/database.php"); ?>

    <?php
        //set up a query and loop through all of the patients so that they can
        be displayed
        //in a table for the reception staff

        $query = 'select * from User
            where user_type_id = 1
            order by last_name ASC';

        $patients = $db->query($query);
        foreach($patients as $patient) {
    ?>
    <tr>
        <td><?php echo $patient['UserID'];?></td>
        <td><?php echo $patient['Last_Name'];?></td>
        <td><?php echo $patient['First_Name'];?></td>
        <td><?php echo $patient['Password'];?></td>
        <td><?php echo $patient['DOB'];?></td>
        <td><?php echo $patient['Street_Address'];?></td>
        <td><?php echo $patient['City'];?></td>
        <td><?php echo $patient['state'];?></td>
        <td><?php echo $patient['Zip'];?></td>
    </tr>
```

---

```
<?php } ?>
</table>
<br/>
</div>
<?php include("../Footer.php");?>
```

```
<?php
    include("../Header.php");
    include("../nav/repNav.php");
?>
<div id="content1">
<?php
    echo "<br/>";
    echo "Welcome: " . $name;
?>
<br/><br/>
</div>
<?php include("../Footer.php");?>
```

# Use of MySQL Database

```
<?php
    include("../Header.php");
    include("../nav/repNav.php");
    require("../model/database.php");

    //process form data
    $slotNum = $_POST['slotNum'];
    $date = $_POST['date'];
    $patient = $_POST['patID'];
    $doc = $_POST['doctorID'];
    $query = "update slots set slot" . $slotNum . " = '$patient'
              where docID = '$doc' and date = '$date'";
    if($db->exec($query))
    {
        //insert the appointment into the appointment table
        $insert = "INSERT INTO `appointments`(`patId`, `docID`, `appointDate`,
`slotNum`) VALUES ('$patient', '$doc', '$date', '$slotNum')";
        $db->exec($insert);

        //query to grab the time slots for a particular day, showing patients ids in
reserved spots
        $query3 = "select slot1, slot2, slot3, slot4, slot5, slot6, slot7, slot8 from
slots where docID = '$doc' and date = '$date'";

        //grab the slots from the selected doctor and day
        $value = $db->query($query3);
        $slots = $value->fetch();

        //assign the slots to variables
        $slot1 = $slots['slot1'];
        $slot2 = $slots['slot2'];
        $slot3 = $slots['slot3'];
        $slot4 = $slots['slot4'];
        $slot5 = $slots['slot5'];
        $slot6 = $slots['slot6'];
        $slot7 = $slots['slot7'];
        $slot8 = $slots['slot8'];

        function available($slt)
        {
            if($slt == 0)
            {
                book();
            }
        }
    }
}
```

```
        }

        else
        {
            echo "Patient ID: " . $slt;
        }
    }

function book()
{
    echo "Available";
}

?>

<br/>
<table>
    <tr>
        <th>8 AM</th>
        <th>9 AM</th>
        <th>10 AM</th>
        <th>11 AM</th>
        <th>1 PM</th>
        <th>2 PM</th>
        <th>3 PM</th>
        <th>4 PM</th>
    </tr>
    <tr>
        <td><?php available($slot1); ?></td>
        <td><?php available($slot2); ?></td>
        <td><?php available($slot3); ?></td>
        <td><?php available($slot4); ?></td>
        <td><?php available($slot5); ?></td>
        <td><?php available($slot6); ?></td>
        <td><?php available($slot7); ?></td>
        <td><?php available($slot8); ?></td>
    </tr>
</table>
<br/><br/>

<?php
    echo "<div align=\"center\">";
    echo "You have successfully scheduled an appointment.";
    echo "<br/>";
    echo "<a href=\"appointments.php\">Schedule Another Appointment</a>";
    echo "</div>";
```

```
    } //end of if statement

    else
    {
        echo "Appointment did not schedule.";
    }

    echo "<br/>";
?>

<?php include("../Footer.php"); ?>
```

```
<?php
    include("../Header.php");
    include("../nav/repNav.php");
?>
<div id="content1">
    <br/>
    <h1>Doctor Lookup</h1>
    <table>
        <th>Last Name</th>
        <th>First Name</th>
        <th>Password</th>
        <th>Date of Birth</th>
        <th>Street Address</th>
        <th>City</th>
        <th>State</th>
        <th>Zip</th>
        <th>Hire Date</th>
        <th>Salary</th>
        <th>Office Room</th>
        <th>Office Phone Number</th>
    <? require("../model/database.php"); ?>

    <?php
        $query = 'select * from User, Staff
                  where user_type_id = 2 and User.userID = Staff.userID
                  order by last_name ASC';

        $query2 = 'select * from Staff';
        $staffs = $db->query($query);
        foreach($staffs as $staff) {
    ?>
    <tr>
        <td><?php echo $staff['Last_Name'];?></td>
        <td><?php echo $staff['First_Name'];?></td>
        <td><?php echo $staff['Password'];?></td>
        <td><?php echo $staff['DOB'];?></td>
        <td><?php echo $staff['Street_Address'];?></td>
        <td><?php echo $staff['City'];?></td>
        <td><?php echo $staff['state'];?></td>
        <td><?php echo $staff['Zip'];?></td>
        <td><?php echo $staff['HireDate'];?></td>
        <td><?php echo $staff['Salary'];?></td>
        <td><?php echo $staff['Office'];?></td>
```

```
<td><?php echo $staff['OfficeNumber'];?></td>
</tr>
<?php } ?>
</table>

<br/>
<h1>Reception Lookup</h1>
<table>
    <th>Last Name</th>
    <th>First Name</th>
    <th>Password</th>
    <th>Date of Birth</th>
    <th>Street Address</th>
    <th>City</th>
    <th>State</th>
    <th>Zip</th>
    <th>Hire Date</th>
    <th>Salary</th>
    <th>Office Room</th>
    <th>Office Phone Number</th>
<?php
    $query = 'select * from User, Staff
              where user_type_id = 3 and User.userID = Staff.userID
              order by last_name ASC';

    $query2 = 'select * from Staff';
    $staffs = $db->query($query);
    foreach($staffs as $staff) {
?
<tr>
    <td><?php echo $staff['Last_Name'];?></td>
    <td><?php echo $staff['First_Name'];?></td>
    <td><?php echo $staff['Password'];?></td>
    <td><?php echo $staff['DOB'];?></td>
    <td><?php echo $staff['Street_Address'];?></td>
    <td><?php echo $staff['City'];?></td>
    <td><?php echo $staff['state'];?></td>
    <td><?php echo $staff['Zip'];?></td>
    <td><?php echo $staff['HireDate'];?></td>
    <td><?php echo $staff['Salary'];?></td>
    <td><?php echo $staff['Office'];?></td>
    <td><?php echo $staff['OfficeNumber'];?></td>
</tr>
```

```
<?php } ?>
</table>

<form action="staffLookupIndex.php" method="post">
    <input type="hidden" />
</form>

<?php
    //write to text file after button is pushed

?
<br/>
</div>
<?php include("../Footer.php");?>
```

# **Model**

```
<?php

//set the path, username, password for the database connection
$dsn = 'mysql:host=localhost;dbname=whunt7_ProjectDB';
$username = 'whunt7_project';
$password = 'project';

//try to connect to the database
try
{
    //create a new PDO object for the database connection
    $db = new PDO($dsn, $username, $password);
}

//catch any of the errors that may occur during the database connection
catch (PDOException $e)
{
    $error_message = $e->getMessage();
    include('database_error.php');
    exit();
}

?>
```

```
<div>
    <h1>Database Error</h1>
    <p>
        There was an error connecting to the database. Make sure that you have the
        database installed,
        that all of your connection settings are correct, and that MySQL is running.
    </p>
    <p>
        The error message is included below:
    </p>

    <?php
        //print any error messages that might occur during db connection
        echo $error_message;
    ?>

</div>
```