Minor Project Lab

Project Report

ON

Beauty Parlour Management System

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ABSTRACT

The Beauty Parlour Management System is a comprehensive software application designed to streamline and automate various operations in a beauty parlour. It aims to enhance efficiency, reduce manual errors, and simplify the management of services offered to customers. The system helps in scheduling appointments, managing staff, tracking inventory, generating billing statements, and maintaining customer records.

The system consists of multiple modules to support different functions, such as:

1. **Appointment Scheduling**: Customers can book, modify, or cancel appointments. The system ensures that no double-booking occurs and sends reminders to customers for their upcoming appointments.
2. **Customer Management**: It stores detailed customer information including their contact details, service history, and preferences, facilitating personalized services.
3. **Service Management**: The system lists all available services, their pricing, and enables easy modification of service details. It helps employees in managing and delivering services efficiently.
4. **Billing and Payment**: Automatically generates bills based on services availed, manages payment methods, and provides receipts to customers.
5. **Inventory Management**: Keeps track of beauty products and supplies used in services, alerts staff when stock levels are low, and helps in efficient procurement.
6. **Staff Management**: Allows managers to assign tasks to employees, track working hours, calculate salaries, and manage performance.

This system is designed to improve customer satisfaction by providing seamless service management while optimizing internal operations for parlour owners and staff. It can be accessed via a user-friendly interface, and its reporting capabilities assist in decision-making and operational insights.

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1. INTRODUCTION

1.1.   SIGNIFICANCE OF PROBLEM OR PRODUCTION/ DEVELOPMENT NEED:

Being a salon client today is inconvenient. You have to remember that you need to make an appointment, then hope you remembered during business hours, and finally scramble to find the phone number and take time out of your busy day to make the call. And never mind finding user reviews of local salons and stylists; tracking those down somewhere on the web is a headache that most don't even attempt. This is the experience of countless salon-goers every day, even as we move well into the twenty first century. There is a strong, well articulated need for a "one-stop-shop" online hub that connects clients to salons, putting all the information users need in one convenient place, on demand. Equally surprising, many salons today are still using paper and pencil systems to schedule appointments and manage customers. These systems are grossly inefficient at sharing and syncing information, and are prone to costly human error. Salon Book promises to end the dependence on paper-pencil systems, and put salons in control with an easy to use interface. Salon Book will be more than just an online scheduler; it will be a salon management tool that will allow salons to manage stylists and services, promote sales to customers, and track customer satisfaction.

1.2 TECHNOLOGY
My project uses MySQL and PHP to back the interface with strong database functionality. To build the data tables I've used PHP My Admin, which is a web-based interface for MySQL. For the front-end development, I primarily used HTML and JavaScript widgets to style the site and create a simple, clean interface.
To facilitate the process of styling the application, I used Adobe Dreamweaver. However, Dreamweaver is very limited, and the scope of my project quickly outgrew that of Dreamweaver's capabilities. Nonetheless, it was a very helpful tool early on.

For appointment scheduling, I'm going to integrate Web Calendar, a PHP driven calendaring application, into my Salon Book application. After much research, I decided to implement Web Calendar rather than Google Calendars for a number of reasons.

First, Web Calendar is installed locally and runs on MySQL. This means that all of the code running Web Calendar is in a subdirectory of my project. This gives me a great deal of control and customization of the application as I integrate it into my program. It also uses MySQL data tables that nicely sit right next to the tables storing data for Salon Book. Thus, it is a very clean integration, and a powerful tool. Google Calendars, on the other hand, would mean outsourcing functionality to Google. Any future changes to the Google APIs would cause serious problems with my program. Also, viewing and editing Google Calendars requires user authentication as a prerequisite. This means users of my site would need Google accounts or I would personally need to be the "owner" of all the calendars. Neither of these options offered the neat, compact solution that Web Calendar provided, and therefore were not implemented.

1.3. <u>DESIGN GOALS</u>

1.3.1 Target Audience.

There are two distinct target audiences for this project. Salon managers and owners make up the first primary audience for this project. They will use the salon side of the web application.

Salon-goers, primarily female, are the second major audience. They will use the client side of the application, primarily using it to view user ratings, and make appointments online, all on demand.

1.3.2 User goals and objectives

USE CASES:
User
- Create a new account
- Log in
Name
- View and Edit Account information - Make an appointment for: Haircut
  (Male or female)
With our without color
With or without perm
With or without straightening
Specify stylist
Beauty salon services
Allows users to make recurring appointments
- Cancel an appointment
- View Appointments
- View "My Points"
- View Salon Promotions

1.3.3 Project features and functionality

The tab menu on the Home Page allows any visitor to view the by four different categories. When users sign in, they are directed to their dashboard, their one-stop-shop for all salon-related information and functionality. At the dashboard they are reminded about their points total and upcoming appointments. The JavaScript pull-down menus give the page a clean look while still providing an abundance of information and functionality.

Salons have a similar dashboard that is the root point for all use cases mentioned above.

2.PRIOR WORK

OpenTable.com is the inspiration and the benchmark for this project. OpenTable represents the primary body of relevant prior work. OpenTable developed a Windows based beauty parlour management application that allows appointments to be made, cancelled, and viewed locally. Additionally, this application stores customer data and appointments locally. It is also in constant communication with the website, which is designed to allow service to book appointment in real time. This model of local software combined with a web application is ideal because it maintains all data locally in case the internet fails, yet it still gives customers real time access to the reservation book.

3.PROJECT DEVELOPMENT APPROACH

3.1. ALGORITHM DETAILS

Architecture
MySQL database
PHP
User Interface
HTML
Database Design

Many-to-one relationships are key to sound database design. In designing a database, inadequacies and inefficiencies that are noticed later in the development cycle can be costly, and so a lot of time and thought went into this early on. It is tempting to create database tables like classes in object oriented programming.

This would imply that a set of promotions, or stylists belonged to a salon, and thus are fields in the "salon" table.

3.2. TARGET PLATFORM

3.2.1 Hardware
Any internet-enabled computer
3.2.2 Software
Safari, Mozilla Firefox, Google, Chrome

3.3. PROJECT MILESTONES

- Completed Literature Review*:* Over the past 8 weeks, I thoroughly researched the work and tools that have already been released. OpenTable.com is an exemplar of the application I am aiming to create in terms of functionality. I researched their implementation and platforms, in addition to exploring the actual application for functionality and features. I also reviewed the functionality and usability of Google Calendars, and determined that it can be used as a backend database for

appointments as well as a potential front end user interface for appointments. I've also researched and familiarized myself with all the tools mentioned below, which I have gone on to set up and test.

- Learned PHP and MySQL**:** I purchased a self-teaching guide to PHP and MySQL and read the first 300 pages. This familiarized me with the language and the technology, and walked me through a few basic PHP script and MySQL query examples.

- Set up PHP: I downloaded and installed PHP on my computer. I wrote a few basic scripts to test my installation and confirmed that it was working.

- Set up MySQL**:** I downloaded and installed MySQL. I encountered problems with the daemon, but was able to change configurations using the Terminal to eventually get my computer to run the database.

- Set up MySQL Query Browser**:** Downloaded and installed this GUI in order to facilitate interaction with MySQL. I got it running and used it to create a new user account on my database, as well as the 'salon book' database. Unfortunately, it was minimally helpful, and still required me to query MySQL using SQL code.   - Set up phpMyAdmin**:** Downloaded and installed this web-based MySQL interface. I found it to be extremely useful as a graphical interface for MySQL. I used this tool to build my database tables and in some cases added elements to these tables (i.e. states).

- Design and Create Database Tables: Iterative design process to eliminate redundancies and create many-to-one relationships wherever possible

- Set up XAMPP Server**:** I downloaded XAMPP; I decided to use XAMPP after thoroughly researching the many differing options available, including XAMPP, XAMPP, etc. XAMPP is a database

abstraction layer that allows me to write portable PHP code not limited to MySQL.

- Build PHP Functionality**:** Build the functionality of all use cases mentioned above except appointment scheduling. This was the largest part of the project, and was done over the course of 3-4 weeks.

4. WORK LOG

DESIGN CHOICES

There are two fundamentally different approaches to creating a dynamic web application that is backed with data. The first is to employ relational data tables in a database (MySQL) to store, search, and retrieve data. I would then use PHP to communicate with the database, serving as the link between the web html and the MySQL database. The advantages of this approach are two fold. First, it makes search and sort operations very simple. Secondly, it supports a growing data set in a natural and well-organized fashion. The downside is that this design is fairly rigid once building begins. After the various tables are defined to capture the desired data, it becomes extremely difficult to redesign or augment the data tables to encompass more or different data.
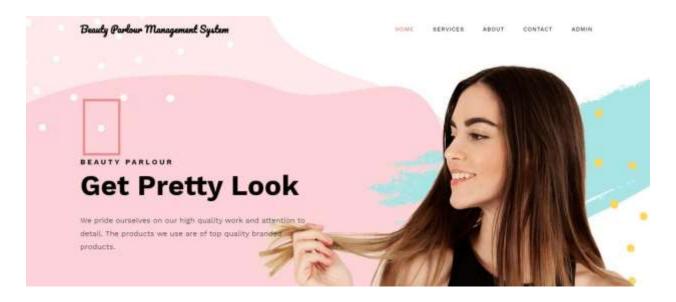
The second option is to use text files and file readers to act as a pseudo database. The advantages here are essentially the reciprocals of the disadvantages of the database design, and visa versa. While text files can be much more flexible to changes, they make search and sort operations far more costly

THE NEW PLAN

After research, thought, and discussion with Professor Nimeroff, I've formulated a plan that shifts the focus of my work. The mere scheduling aspect of the site is not novel, and the management of scheduling data in

my own database would be extremely tedious and time consuming. So, I decided to look into the offerings of various calendar toolkits already available on the web. It turns out Google Calendars has all of the functionality that I would need for the scheduling aspect of the site. Google Calendars supports creation of new calendars, adding and deleting events (including recurring events), and viewing the schedule. The API for this toolkit is openly available online and will prove to be very helpful in harnessing this technology towards my project.

5.SCREENSHOT
User Dashboard:

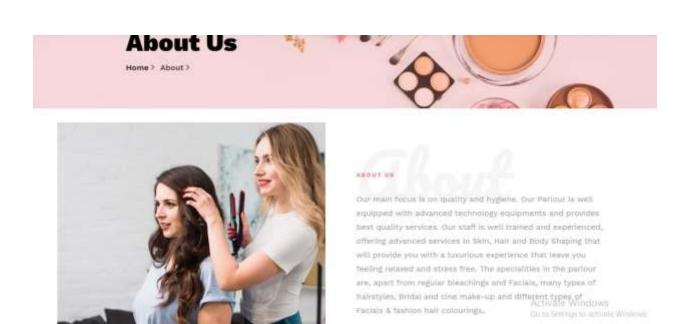
Services:

Services

Home > Services >

Our Service Prices

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia

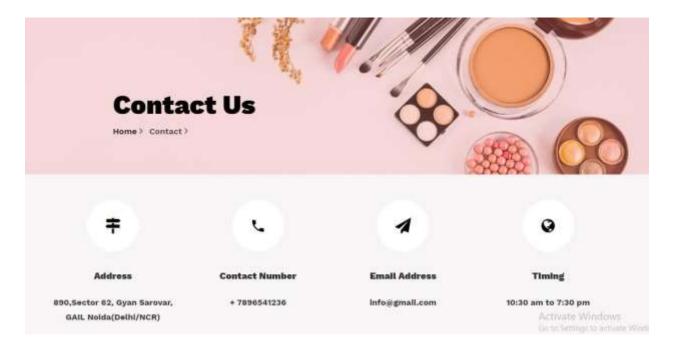| #	Service Name	Service Price
1	O3 Facial	1200
2	Fruit Facial	500
3	Charcol Facial	1000
4	Deluxe Menicure	500
5	Deluxe Pedicure	600
6	Normal Menicure	300
7	Normal Pedicure	400
8	U-Shape Hair Cut	250
9	Layer Haircut	550
10	Rebonding	3999
11	Loreal Hair Color(Full)	1200
12	Body Spa	1500

About:

Contact Us:

Admin login page:

SignIn Page

Welcome back to BPMS AdminPanel !

admin

....

Sign In

Back to Home

forgot password?

Admin Panel:

BPMS
AdminPanel

test
Administrator

- Dashboard
- Services
- Pages
- Appointment
- Add Customer
- Customer List
- Reports
- Invoices
- Search Appointment

Total Customer	6	Total Appointment	7	Total Accepted Apt	2
Total Rejected Apt	2	Total Services	14	Today Sales	
Yesterday Sales		Last Sevendays Sale		Total Sales	12250

Manage Services

Update Services:

#	Service Name	Service Price	Creation Date	Action
1	O3 Facial	1200	2019-07-25 16:52:38	Edit
2	Fruit Facial	500	2019-07-25 16:52:53	Edit
3	Charcol Facial	1000	2019-07-25 16:53:10	Edit
4	Deluxe Menicure	500	2019-07-25 16:53:34	Edit
5	Deluxe Pedicure	600	2019-07-25 16:53:47	Edit
6	Normal Menicure	300	2019-07-25 16:54:01	Edit
7	Normal Pedicure	400	2019-07-25 16:54:19	Edit

All Appointment:

#	Appointment Number	Name	Mobile Number	Appointment Date	Appointment Time	Action
1	261064124	Komal	7798797897	7/27/2019	4:00pm	View
2	985645887	Kashish	4654654654	7/29/2019	4:30pm	View
3	965887988	Sanjeeta Jain	5646464646	8/20/2019	2:30pm	View
4	578797544	Anuj Kumar	123456789	8/30/2019	1:30am	View
5	899118550	bb	4234235423	8/27/2019	1:30am	View
6	621107928	ABC	1234567890	8/27/2019	1:30am	View
7	425921559	vasundara	9876543267	11/18/2019	12:30am	View

Accepted Appointment

Accepted Appointment:

#	Appointment Number	Name	Mobile Number	Appointment Date	Appointment Time	Action
1	261064124	Komal	7798797897	7/27/2019	4:00pm	View
2	965887988	Sanjeeta Jain	5646464646	8/20/2019	2:30pm	View

#	Invoice Id	Customer Name	Invoice Date	Action
1	297018570	Test user	2019-08-21 21:55:27	View
2	942476283	Sanjeeta Jain	2019-08-19 19:09:13	View
3	970548035	Khusbu	2019-07-31 10:12:45	View
4	225057023	Khusbu	2019-07-30 21:33:32	View
5	904156433	Sunita Verma	2019-07-30 21:10:42	View
6	621839533	Rahul Singh	2019-07-30 21:03:22	View
7	621839533	Rahul Singh	2019-06-04 21:03:22	View
8	621839533	Rahul Singh	2018-07-30 21:03:22	View

One interesting problem that arose was the way to retrieve and pass information from the database to and from the client end. I designed my database to be flexible in the salon-stylist relationships it could represent. Essentially, my database is designed to allow for the possibility that a stylist belongs to multiple salons, AND that they offer a different subset of services at each salon. I did this by having a many-to-one relationship table of salon/stylist/service so that while there will be multiple records for each salon, stylist, or service, each combination of stylist-salon-service is unique.   While this is great for richness of information, it makes retrieval of information much more difficult. In order to allow salons to add/edit stylists and services they offer, I would have to be looking up each stylist and each service for that salon. The solution was this:

6. RESULTS

The result of this project was a successful high-fidelity prototype of a Salon management and scheduling application. I successfully implemented all of the above mentioned use cases, and achieved clean interfaces that further enhance the user experience.

The many-to-one database tables successfully represent a robust set of scenarios and relationships that are critical to salon management. Web Calendar was integrated well to provide salons with full calendaring functionality. The aesthetic customization of Web Calendar makes it undifferentiated from the Salon Book application.

For users, scheduling was the heart of the application. And indeed, users can currently select a salon, stylist, date, and service to make an appointment. They can then view or cancel appointments, and rate salons on past appointments. Together, all of this functionality gives users an unmatched value proposition for booking salon appointments. Users also accumulate points after attending and rating an appointment, which, upon launch of the site, would be redeemable for salon credit. This is an additional source of incentive to use this application. For more results, see video screen captures of user and salon interfaces in action.

7. SOURCE CODE:

Homepage: 1) Making an appointment:

```php
<?php
session_start();
error_reporting(0);
include('includes/dbconnection.p
hp');                              if
(strlen($_SESSION['bpmsaid']==
0)) {
 header('location:logout.php');
 } else{
?>
<!DOCTYPE HTML>
<html>
<head>
<title>BPMS || New Appointment</title>
<script     type="application/x-javascript">     addEventListener("load",
function()   {   setTimeout(hideURLbar,   0);   },   false);   function
hideURLbar(){ window.scrollTo(0,1); } </script>
<!-- Bootstrap Core CSS -->
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<!-- Custom CSS -->
<link href="css/style.css" rel='stylesheet' type='text/css'
/> <!-- font CSS -->
<!-- font-awesome icons -->
<link href="css/font-awesome.css" rel="stylesheet">
<!-- //font-awesome icons -->
 <!-- js-->
<script src="js/jquery-1.11.1.min.js"></script>
<script src="js/modernizr.custom.js"></script>
<!--webfonts-->
<link
```

```
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,300,3
00italic,4
00italic,700,700italic' rel='stylesheet' type='text/css'>
<!--//webfonts-->          <!--
animate-->
<link      href="css/animate.css"      rel="stylesheet"      type="text/css"
media="all"> <script src="js/wow.min.js"></script>
       <script>
            new WOW().init();
       </script>
src="https://maps.googleapis.com/maps/api/js?key=AIzaSyBVWaKrjvy
3MaE7SQ7
4_uJiULgl1JY0H2s&sensor=false"></script>
  <script src="js/google-map.js"></script>
  <script src="js/main.js"></script>


  </body>
</html>
```

3) About:

```
<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');
?>
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>BPMS-About Us</title>


   <link
```

```html
    href="https://fonts.googleapis.com/css?family=Work+Sans:100,200,300
,400,500,
600,700,800,900" rel="stylesheet">
    <link          href="https://fonts.googleapis.com/css?family=Pacifico"
rel="stylesheet">
    <link
href="https://fonts.googleapis.com/css?family=Playfair+Display:400,40
0i,700,700 i,900,900i" rel="stylesheet">
 <link rel="stylesheet" href="css/open-iconic-bootstrap.min.css">
    <link rel="stylesheet" href="css/animate.css">

    <link rel="stylesheet" href="css/owl.carousel.min.css">
    <link rel="stylesheet" href="css/owl.theme.default.min.css">
    <link rel="stylesheet" href="css/magnific-popup.css">
    <link rel="stylesheet" href="css/aos.css">

    <link rel="stylesheet" href="css/ionicons.min.css">

    <link rel="stylesheet" href="css/bootstrap-datepicker.css">
    <link rel="stylesheet" href="css/jquery.timepicker.css">


    <link rel="stylesheet" href="css/flaticon.css">
    <link rel="stylesheet" href="css/icomoon.css">
    <link rel="stylesheet" href="css/style.css">
  </head>
  <body>
      <?php include_once('includes/header.php');?>
    <section  class="hero-wrap  hero-wrap-2"  style="background-image:
url('images/bg-2.jpg');" data-stellar-background-ratio="0.5">
    <div class="overlay"></div>
    <div class="container">
      <div class="row no-gutters slider-text js-fullheight align-items-end
justifycontent-center">
```

```html
        <div class="col-md-9 ftco-animate pb-
5">           <h2 class="mb-0 bread">About
Us</h2>
        <p          class="breadcrumbs"><span          class="mr-2"><a
href="index.php">Home              <i              class="ion-ios-arrow-
forward"></i></a></span>    <span>About   <i   class="ion-iosarrow-
forward"></i></span></p>
        </div>
      </div>
    </div>
  </section>
  <br>
  <section class="ftco-section ftco-no-pb ftco-no-pt">
            <div class="container">
                <div class="row">
                    <div class="col-md-6 d-flex">
                        <div class="p-md-5 img img-2 d-flex
justifycontent-center align-items-center" style="background-image:
url(images/about.jpg);">


                        </a>
                    </div>
                </div>
                <div class="col-md-6 py-md-5 pb-5 wrap-
about pb-md-5 ftco-animate">
                    <?php

$ret=mysqli_query($con,"select     *      from      tblpage     where
PageType='aboutus' ");
$cnt=1;
while ($row=mysqli_fetch_array($ret)) {

?>
```

```
          <div class="heading-section mb-4 mt-md-5">
            <h1 class="big">About</h1>
               <span          class="subheading"><?php          echo
$row['PageTitle'];?></span>
             </div>
             <div class="pb-md-5">
                                           <p><?php  echo
$row['PageDescription'];?>.</p>


                              </div>
                              <?php } ?>
                    </div>
                  </div>
              </div>
          </section>
          <br>


  <?php include_once('includes/footer.php');?>


  <!-- loader -->
  <div id="ftco-loader" class="show fullscreen"><svg class="circular"
width="48px" height="48px"><circle class="path-bg" cx="24" cy="24"
r="22"     fill="none"     strokewidth="4"     stroke="#eeeeee"/><circle
class="path" cx="24" cy="24" r="22" fill="none" stroke-width="4"
stroke-miterlimit="10"
stroke="#F96D00"/></svg></div>


  <script src="js/jquery.min.js"></script>
  <script src="js/jquery-migrate-3.0.1.min.js"></script>
  <script src="js/popper.min.js"></script>
  <script src="js/bootstrap.min.js"></script>
```

```html
    <script src="js/jquery.easing.1.3.js"></script>
    <script src="js/jquery.waypoints.min.js"></script>
    <script src="js/jquery.stellar.min.js"></script>
    <script src="js/owl.carousel.min.js"></script>
    <script src="js/jquery.magnific-popup.min.js"></script>
    <script src="js/aos.js"></script>
    <script src="js/jquery.animateNumber.min.js"></script>
    <script src="js/bootstrap-datepicker.js"></script>
    <script src="js/jquery.timepicker.min.js"></script>
    <script src="js/scrollax.min.js"></script>
    <script
src="https://maps.googleapis.com/maps/api/js?key=AIzaSyBVWaKrjvy
3MaE7SQ7
4_uJiULgl1JY0H2s&sensor=false"></script>
    <script src="js/google-map.js"></script>
    <script src="js/main.js"></script>

  </body>
</html>
```

4)   Contact   Us:

```php
<?php
session_start();
error_reporting(0);
include('includes/dbconnectio
n.php');
?>
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>BPMS-Contact us</title>
    <link
href="https://fonts.googleapis.com/css?family=Work+Sans:100
,200,30 0,400,500,600,700,800,900" rel="stylesheet">
```

```html
    <link
href="https://fonts.googleapis.com/css?family=Pacifico"
rel="stylesheet">
    <link
href="https://fonts.googleapis.com/css?family=Playfair+Displa
y:400,40 0i,700,700i,900,900i" rel="stylesheet">

    <link         rel="stylesheet"         href="css/open-iconic-
bootstrap.min.css">
    <link rel="stylesheet" href="css/animate.css">

    <link rel="stylesheet" href="css/owl.carousel.min.css">
    <link rel="stylesheet" href="css/owl.theme.default.min.css">
    <link rel="stylesheet" href="css/magnific-popup.css">

    <link rel="stylesheet" href="css/aos.css">
    <link rel="stylesheet" href="css/ionicons.min.css">
 <link rel="stylesheet" href="css/bootstrap-datepicker.css">
   <link rel="stylesheet" href="css/jquery.timepicker.css">
    <link rel="stylesheet" href="css/flaticon.css">
    <link rel="stylesheet" href="css/icomoon.css">
    <link rel="stylesheet" href="css/style.css">
 </head>
 <body>
   <?php include_once('includes/header.php');?>

   <section class="hero-wrap hero-wrap-2" style="background-
image:
url('images/bg-2.jpg');" data-stellar-background-ratio="0.5">
     <div class="overlay"></div>
     <div class="container">
      <div class="row no-gutters slider-text js-fullheight align-
items-end justify-content-center">
        <div class="col-md-9 ftco-animate pb-5">
```

```
            <h2      class="mb-0      bread">Contact
Us</h2>            <p class="breadcrumbs"><span
class="mr-2"><a    href="index.php">Home    <i
class="ion-ios-arrow-
forward"></i></a></span> <span>Contact <i class="ion-ios-
arrowforward"></i></span></p>
        </div>
      </div>
     </div>
    </section>

    <section class="contact-section bg-light">
     <div class="container">
       <div class="row no-gutters d-flex contact-info">
        <?php

$ret=mysqli_query($con,"select * from tblpage where
PageType='contactus' ");
$cnt=1;
while ($row=mysqli_fetch_array($ret)) {

?>
        <div class="col-md-3 d-flex">
        <div  class="align-self-stretch  box  p-4  py-md-5  text-
center">        <div class="icon d-flex align-items-center justify-
contentcenter">
                <span class="icon-map-signs"></span>
             </div>
            <h3 class="mb-4">Address</h3>
         <p><?php  echo $row['PageDescription'];?></p>
          </div>
        </div>
        <div class="col-md-3 d-flex">
```

```php
            <div class="align-self-stretch box p-4 py-md-5 text-center">                    <div class="icon d-flex align-items-center justify-contentcenter">
                    <span class="icon-phone2"></span>
              </div>
          <h3 class="mb-4">Contact Number</h3>
        <p><a href="tel://1234567920">+ <?php echo $row['MobileNumber'];?></a></p>
         </div>
       </div>
       <div class="col-md-3 d-flex">
        <div class="align-self-stretch box p-4 py-md-5 text-center">        <div class="icon d-flex align-items-center justify-contentcenter">
                    <span class="icon-paper-plane"></span>
              </div>
           <h3 class="mb-4">Email Address</h3>
         <p><a href="mailto:info@yoursite.com"><?php echo $row['Email'];?></a></p>
         </div>
       </div>
       <div class="col-md-3 d-flex">
        <div class="align-self-stretch box p-4 py-md-5 text-center">        <div class="icon d-flex align-items-center justify-contentcenter">
                   <span class="icon-globe"></span>
             </div>
           <h3 class="mb-4">Timing</h3>
        <p><?php echo $row['Timing'];?></p>
        </div>
       </div>
       <?php } ?>
     </div>
    </div>
```

```php
      </section>
    <?php include_once('includes/footer.php');?>




    <!-- loader -->
    <div id="ftco-loader" class="show fullscreen"><svg
class="circular" width="48px" height="48px"><circle
class="path-bg" cx="24" cy="24" r="22" fill="none" stroke-
width="4" stroke="#eeeeee"/><circle class="path" cx="24"
cy="24" r="22" fill="none" stroke-width="4" stroke-
miterlimit="10" stroke="#F96D00"/></svg></div>



    <script src="js/jquery.min.js"></script>
    <script src="js/jquery-migrate-3.0.1.min.js"></script>
    <script src="js/popper.min.js"></script>
    <script src="js/bootstrap.min.js"></script>
    <script src="js/jquery.easing.1.3.js"></script>
    <script src="js/jquery.waypoints.min.js"></script>
    <script src="js/jquery.stellar.min.js"></script>
    <script src="js/owl.carousel.min.js"></script>
    <script src="js/jquery.magnific-popup.min.js"></script>
    <script src="js/aos.js"></script>
    <script src="js/jquery.animateNumber.min.js"></script>
    <script src="js/bootstrap-datepicker.js"></script>
    <script src="js/jquery.timepicker.min.js"></script>
    <script src="js/scrollax.min.js"></script>
    <script
src="https://maps.googleapis.com/maps/api/js?key=AIzaSyBV
WaKrjvy3
MaE7SQ74_uJiULgl1JY0H2s&sensor=false"></script>
    <script src="js/google-map.js"></script>
    <script src="js/main.js"></script>
```

</body>
</html>

5) Admin:

```php
<?php
session_start();
error_reporting(0);
include('includes/dbconnection.ph
p');                              if
(strlen($_SESSION['bpmsaid']==0
)) {
 header('location:logout.php');
 } else{
  if(isset($_POST['submit']))
 {
  $adminid=$_SESSION['bpmsaid'];
  $aname=$_POST['adminname'];
 $mobno=$_POST['contactnumber'];

   $query=mysqli_query($con, "update tbladmin set AdminName
='$aname',      MobileNumber='$mobno'      where
ID='$adminid'");    if ($query) {
  $msg="Admin profile has been updated.";
 }
 else
  {
   $msg="Something Went Wrong. Please try again.";
  }
 }
 ?>
<!DOCTYPE HTML>
```

```html
<html>
<head>
<title>BPMS | Admin Profile</title>

<script type="application/x-javascript"> addEventListener("load",
function()
{ setTimeout(hideURLbar, 0); }, false); function
hideURLbar(){ window.scrollTo(0,1); } </script> <!-
- Bootstrap Core CSS -->
<link href="css/bootstrap.css" rel='stylesheet' type='text/css'
/> <!-- Custom CSS -->
<link href="css/style.css" rel='stylesheet' type='text/css'
/> <!-- font CSS -->
<!-- font-awesome icons -->
<link href="css/font-awesome.css" rel="stylesheet">
<!-- //font-awesome icons -->
 <!-- js-->
<script src="js/jquery-1.11.1.min.js"></script>
<script src="js/modernizr.custom.js"></script>
<!--webfonts-->
<link
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,
300,300it          alic,400italic,700,700italic'          rel='stylesheet'
type='text/css'>
<!--//webfonts-->              <!--
animate-->
<link   href="css/animate.css"   rel="stylesheet"   type="text/css"
media="all">
<script src="js/wow.min.js"></script>
    <script>
         new WOW().init();
    </script>
<!--//end-animate-->
<!-- Metis Menu -->
```

```php
<script src="js/metisMenu.min.js"></script>
<script src="js/custom.js"></script>
<link href="css/custom.css" rel="stylesheet">
<!--//Metis Menu -->
</head>
<body class="cbp-spmenu-push">
    <div class="main-content">
        <!--left-fixed -navigation-->
        <?php include_once('includes/sidebar.php');?>
        <!--left-fixed -navigation-->
         <!-- header-starts -->
    <?php include_once('includes/header.php');?>
         <!-- //header-ends -->
         <!-- main content start-->
         <div id="page-wrapper">
             <div class="main-page">
                 <div class="forms">
    <h3 class="title1">Admin Profile</h3>        <div class="form-grids row widget-shadow" data-example-id="basic-forms">
                             <div class="form-title">
                                 <h4>Update Profile :</h4>
                              </div>
                             <div class="form-body">
                                 <form      method="post">
                                     <p         style="font-size:16px;
color:red"      align="center">     <?php
if($msg){    echo $msg;
 }  ?> </p>


 <?php
$adminid=$_SESSION['bpmsaid'];
$ret=mysqli_query($con,"select   *   from   tbladmin   where
ID='$adminid'");
```

```php
$cnt=1;
while ($row=mysqli_fetch_array($ret)) {

?>
                                          <div class="form-group">
<label for="exampleInputEmail1">Admin Name</label> <input
type="text"        class="form-control"        id="adminname"
name="adminname"
placeholder="Admin     Name"     value="<?php           echo
$row['AdminName'];?>">
</div>           <div          class="form-group">          <label
for="exampleInputPassword1">User        Name</label>        <input
type="text"   id="username"   name="username"   class="form-
control"      value="<?php           echo      $row['UserName'];?>"
readonly="true"> </div>

                                          <div class="form-group">
<label for="exampleInputPassword1">Contact  Number</label>
<input type="text" id="contactnumber" name="contactnumber"
class="formcontrol"             value="<?php                echo
$row['MobileNumber'];?>">  </div>  <div  class="form-group">
<label    for="exampleInputPassword1">Email    address</label>
<input type="email" id="email" name="email" class="formcontrol"
value="<?php  echo $row['Email'];?>" readonly='true'> </div>
                                          <button     type="submit"
name="submit" class="btn btn-default">Update</button> </form>
                                 </div>
                                 <?php } ?>
                           </div>
                     </div>
          </div>
          <?php include_once('includes/footer.php');?>
     </div>
    <!-- Classie -->
        <script src="js/classie.js"></script>
```

```
<script>
        var menuLeft = document.getElementById( 'cbp
spmenu-s1' ),
            showLeftPush = document.getElementById(
'showLeftPush' ),
            body = document.body;

        showLeftPush.onclick = function() {
    classie.toggle( this, 'active' );
    classie.toggle( body, 'cbp-spmenu-push   toright');
        classie.toggle( menuLeft, 'cbp-spmenu-open' );
            disableOther( 'showLeftPush' );
        };

        function disableOther( button ) {
            if(        button        !==
'showLeftPush' ) {
                classie.toggle( showLeftPush, 'disabled' );
            }
        }
</script>
<!--scrolling js-->
<script src="js/jquery.nicescroll.js"></script>
<script src="js/scripts.js"></script>
<!--//scrolling js-->
 <!-- Bootstrap Core JavaScript -->
 <script src="js/bootstrap.js"> </script>
</body>
</html>
<?php } ?>
```

8. FUTURE DIRECTION

Like I mentioned earlier, full integration of open source tools is critical in creating a seamless overall application. There are some ways in which Web Calendar was not integrated which I would like to pursue given more time. The first is to automate Web Calendar account creation and login when those tasks are completed for the Salon Book application. This would require inserting a new Salon user into the appropriate Web Calendar database tables when a salon creates a Salon Book account. Of course, this would also ensure that the Web Calendar account information matches their Salon Book information. The same for login would be an important improvement. As it exists now, salons have to log in to the Web Calendar application additionally within the Salon Book system when they navigate to it via the Dashboard.

Separate sign in is only required once per session though, as the login is stored throughout a session even as they go back and forth from Web Calendar to Salon Book.

Even so, automated account creation and login are important integration features that would be next in line, given more time.
Also, a constraint of Web Calendar was that it only allowed a user to have one calendar.

Ideally, a salon would have one calendar for each stylist. This could be achieved using an automated Web Calendar account creation script with a welldefined prefix naming system. Salons would be oblivious to what is actually going on behind the scenes, and simply be able to navigate to calendars that are tied to each stylist. When a salon would add a stylist, another Web Calendar account (and corresponding calendar) would be created, using a prefix of the stylist name and salon name. This would dramatically increase the power of the application as a schedule visualization and distribution tool.

Availability would be more apparent, and schedules could be printed for each stylist at the start of the day.

Additionally, I would like to host the prototype online and run usability tests with surveys to gauge the effectiveness of the interface and functionality.

9.REFERENCES

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