

Pool Table Movers Business Website
Brandon Medeiros
Tyler Rankins
Jose Vargas Figueroa

Contents

Version History.....	4
Strategy.....	6
What is it?.....	6
Why are we making it?.....	6
Who is this for?.....	6
Feature List.....	7
Admin Login:.....	7
Customer information:.....	7
Mobile and PC compatible:.....	7
User & User Needs.....	8
User Personas.....	8
Technology Used.....	9
Scope.....	10
Main Page Desktop/Mobile Version.....	10
Login Page.....	10
Admin Page.....	10
Admin Home Page Edit.....	11
Update Admin Account Page.....	11
Add Admin Account Page.....	11
Upload Carousel Image Page.....	11
Privacy Policy Page.....	11
Site Structure.....	12
Entity Relationship Diagram.....	13
Skeleton – current version.....	15
Home Page.....	15
Privacy Policy Page.....	25
Login Page.....	26
Admin Page.....	28

Update Account Page.....	29
Add New Admin Page.....	31
Carousel Upload Image Page.....	33
Colors.....	36
Fonts.....	37
Feedback.....	37
Week 3:	37
Week 6:	38
Skeleton – version 1.....	40
Home Page.....	40
Admin Page.....	41
Login Page.....	42
Home Page (Admin Login).....	43
Update Admin Password Page.....	44

Version History

- **07/16/25 – Jose** – Create tables for database and shareable board in Trello.
- **07/23/25 – Jose** – Create Data Connection files in Visual Studio Code, first version of the entity relationship diagram, and setup Pixso.
- **07/28/25 – Tyler** – Set up Github repos and send out invitations, brainstorm ideas for Pixso prototype, and begin creating Sitemap for first site prototype.
- **07/29/25 – Brandon** – Create wireframe for website layout and work with client to gather information
- **07/30/25 – Jose** – Started Login page and Admin page with functionality
- **08/04/25 – Tyler** – Recorded and stored first round of Pixso prototype feedback and begin stylizing newly added and existing container elements.
- **08/06/25 – Jose** – Created customer table with edit and delete buttons. Added search functionality, all functions, and JavaScript for Admin page.
- **08/06/25 – Brandon** – Create backend and login functionality, as well as carousel functionality on Main page.
- **08/11/25 – Brandon** – Worked on SQL database and integrating SQL uploads with images.
- **08/11/25 – Tyler** – Addition of some HTML/CSS to homepage and create Admin Deletion page.
- **08/13/25 – Jose** – Created Update Admin page with functionality to change email and password. Also changed Home page layout from grid to use bootstrap.
- **08/18/25 – Tyler** – Implemented functionality to allow deletion of admin accounts. Changed “username” column to unique and added adminID as primary key to the adminLogin table.
- **08/19/25 – Brandon** – Updated Pixso wireframe to reflect final site and updated Document for Capstone project.
- **08/20/25 – Jose** – Started Form section with functionality to show/hide different sections. Form submits and saves to database, can now select more than one service to be requested, and added progress bar to form.
- **08/25/25 – Brandon** – Fixed Image Carousel for mobile version and updated documentation for Capstone, following new updates.
- **08/25/25 – Tyler** – Restricted ability to delete admins to user1 and adminID is checked upon page load. Added sweetAlert2 confirmation modals for each delete admin button.

- **08/27/25 – Jose** – Created Privacy Policy page, updated Who Are We section to use tinyMCE, updated Service section to use tinyMCE for each service provided and the title, and all editable sections update the database. Contact number now gets updated to reflect the primary admin's phone number. Also did client-side validation for form and updated Login page to reflect feedback received.
- **09/01/25 – Brandon** – Updated Image Carousel for mobile/medium small browsers, allowing text and styling to stay consistent through any device. Started work on site displaying the Technical Design for Capstone project.
- **09/01/25 – Tyler** – Worked on implementing sweetAlert2 modals in place of popups and began work on implementation of image cropping
- **09/02/25 – Jose** – Redid Proposal Document to reflect feedback and add missing content.
- **09/03/25 – Jose** – Added client-side validation for updating and adding new admin, changed zipcode column in customer database to varchar datatype. Also made customer table on admin page scrollable to improve visibility with many customers.
- **09/05/25 – Jose** – Now, when adding or editing a customer, if the phone, email, or zipcode is invalid, the prompt will reappear for that field until the user enters valid input or cancels. This keeps the user in the workflow and avoids backing out to the main page.
- **09/07/25 – Jose** – Replaced the previous table-based services layout with a modern, responsive card design. Added an edit button under the carousel that brings you to the upload page, and added a button under services that brings you to the form section.

Strategy

What is it?

A Content Management System (CMS) for a pool table movers business. The CMS allows admins to update website content, manage customer requests, and showcase services and work. The site is responsive and user-friendly for desktop and mobile users.

Why are we making it?

The client needs this CMS to efficiently manage and update their business website without technical expertise. It enables the admin to keep information current, respond to customer inquiries, and maintain a professional online presence, which is essential for attracting new customers and growing the business.

Who is this for?

In creating this website, it will be specially for small businesses. It can serve as a template for future clients who wish to have a modern responsive website to serve as a digital store front to showcase the company's services.

Feature List

Admin Login:

- Primary admin can create new users (admin accounts)
- Primary admin account phone number is used for contact info on home page
- Admins have full access to content management and customer data:
 - Edit homepage content
 - Upload images to carousel
 - View, add, edit, and delete customer information
 - Update their own account details (email, password, phone)

Customer information:

- Regular users: Can submit quote requests and view public content
- Users can provide contact information to get free estimates
- Provide links for users to contact service directly
- No account required for quote requests
- View services provided

Mobile and PC compatible:

- Responsive design for mobile and desktop

User & User Needs

User Personas

Client

Admin user:

- Novice with technology
- Wants easy access to client information
- Wants small business to be displayed on the internet
- Wants ability to update website information
- Wants ability to update login information
- Easy to use and update on personal computer
- Large buttons, Guides user throughout the entire process

Customer

Average user:

- Can access the site on both mobile and desktop devices
- No account required to request a quote
- Can view services, reviews, and contact information
- Needs a simple, fast, and mobile-friendly experience

Technology Used

- HTML
- PHP
- CSS
- JavaScript
- Bootstrap
- MySQL
- Visual Studio Code
- Pixso
- Trello
- Github
- Tiny MCE
- SweetAlert2

Scope

Main Page Desktop/Mobile Version

- Displays a contact phone number button that scrolls with page
- Banner displaying business description
- Customer data collection form (Get free quote)
- Form validation and alerts for missing fields
- Form submission emails client and customer
- Image carousel with customer reviews
- Services section
- Footer with contact info, logo, links

Login Page

- Admin login
- Password protected
- Link to homepage

Admin Page

- Edit homepage content
- Upload images
- View/add/edit/delete customer info
- Update account details
- Add new admin
- Logout

Admin Home Page Edit

- Edit homepage content
- Upload images

Update Admin Account Page

- Display current email and logged in user
- Must enter current password to allow creation of new password
- Confirmation of new password
- Save password button and logged in account info
- Links to home page, admin page, and add admin page
- Log out link
-

Add Admin Account Page

- Links to home page, logging out, and back to update account page
- Create new admin user by inputting username, email, password, and confirm password
- Add admin submit button
-

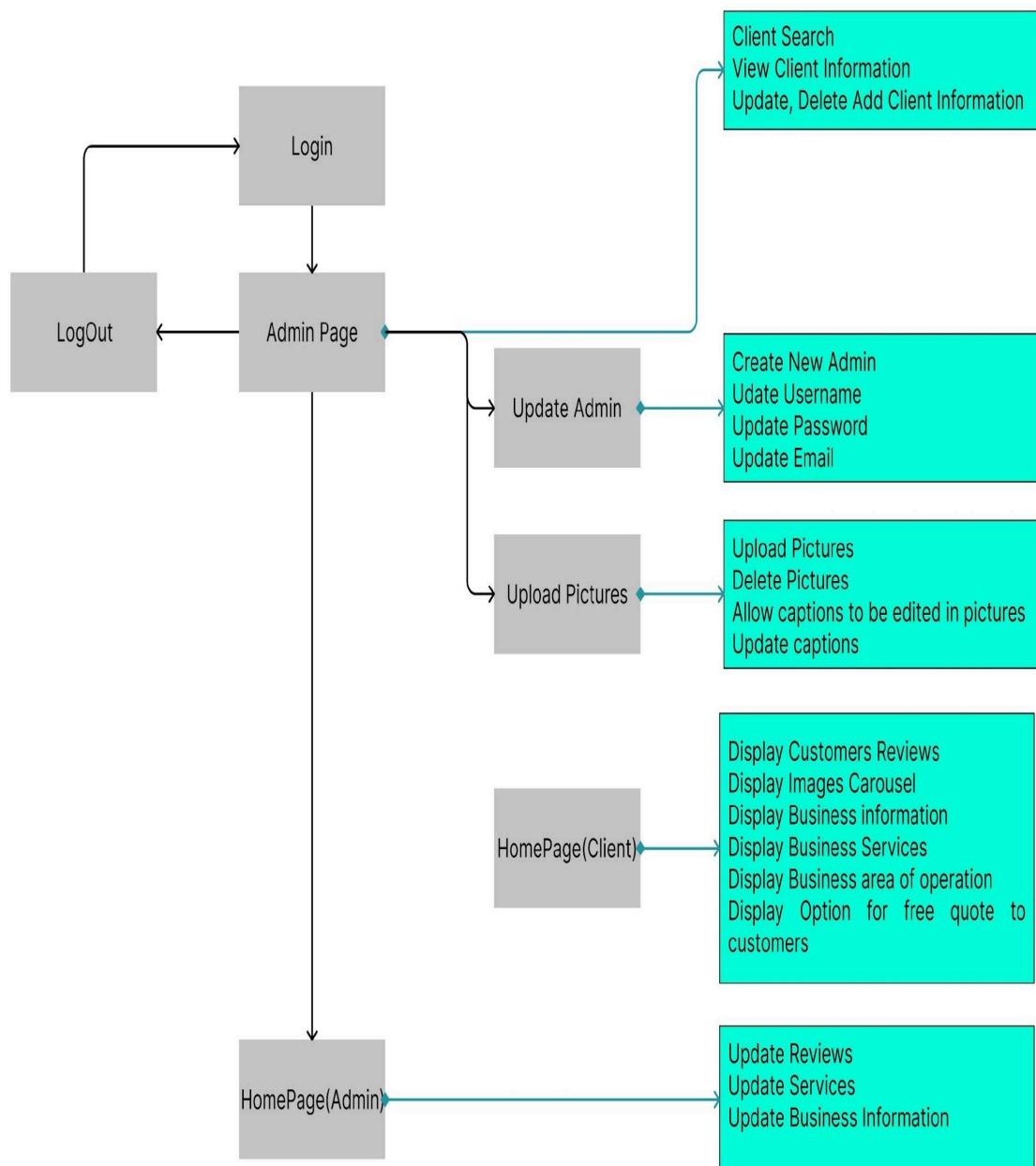
Upload Carousel Image Page

- Link to home page
- Able to choose a file, add an image description, and upload to carousel
- Show existing images in carousel

Privacy Policy Page

- Information collection, usage, cookies, third-party services, security, user rights
- Footer with contact info, logo, links

Site Structure



Entity Relationship Diagram



```

CREATE TABLE `adminlogin` (
  `adminID` tinyint NOT NULL AUTO_INCREMENT,
  `username` varchar(100) NOT NULL,
  `password` varchar(100) NOT NULL,
  `adminEmail` varchar(100) DEFAULT NULL,
  `phoneNumber` varchar(100) DEFAULT NULL,
  PRIMARY KEY (`adminID`),
  UNIQUE KEY `ID_UNIQUE` (`adminID`),
  UNIQUE KEY `username_UNIQUE` (`username`)
) ENGINE=InnoDB AUTO_INCREMENT=8 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

CREATE TABLE `bcimage` (
  `id` int NOT NULL AUTO_INCREMENT,
  `filename` varchar(100) NOT NULL,
  `description` text,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM AUTO_INCREMENT=16 DEFAULT CHARSET=latin1;

CREATE TABLE `adminlogin` (
  `adminID` tinyint NOT NULL AUTO_INCREMENT,
  `username` varchar(100) NOT NULL,
  `password` varchar(100) NOT NULL,
  `adminEmail` varchar(100) DEFAULT NULL,
  `phoneNumber` varchar(100) DEFAULT NULL,
  PRIMARY KEY (`adminID`),
  UNIQUE KEY `ID_UNIQUE` (`adminID`),
  UNIQUE KEY `username_UNIQUE` (`username`)
) ENGINE=InnoDB AUTO_INCREMENT=8 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

CREATE TABLE `customers` (
  `ID` int NOT NULL AUTO_INCREMENT,
  `firstName` varchar(100) NOT NULL,
  `lastName` varchar(100) DEFAULT NULL,
  `phoneNumber` varchar(100) DEFAULT NULL,
  `email` varchar(100) NOT NULL,
  `street` varchar(100) DEFAULT NULL,
  `apt` varchar(100) DEFAULT NULL,
  `city` varchar(100) DEFAULT NULL,
  `state` varchar(100) DEFAULT NULL,
  `zipcode` varchar(10) DEFAULT NULL,
  `notes` varchar(100) DEFAULT NULL,
  `dateAdded` date NOT NULL DEFAULT (curdate()),
  `serviceRequested` varchar(100) DEFAULT NULL,
  PRIMARY KEY (`ID`)
) ENGINE=InnoDB AUTO_INCREMENT=79 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

CREATE TABLE `textboxes` (
  `ID` int NOT NULL AUTO_INCREMENT,
  `section` varchar(100) DEFAULT NULL,
  `textBox` text,
  PRIMARY KEY (`ID`)
) ENGINE=InnoDB AUTO_INCREMENT=8 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

```

Skeleton – current version

Home Page







1. Header

- Logo image: Responsive, hides on scroll (see JS).
- Sticky phone number button: Always visible, clickable to call.

2. Description Section

- Company description text: Editable by admin (edit/save button appears for admins).
- Edit/Save button (admin only):
- Click to switch between view and edit mode.
- Uses TinyMCE rich text editor for editing.

Get a free quote today!

Fill out the form below to get started.

First Name*

Last Name*

Email*

Phone

next

1

2

3

4

Get a free quote today!

Fill out the form below to get started.

Street Address*

Unit/Apt

City*

State*

Zip Code*

[previous](#)

[next](#)

1

2

3

4

Get a free quote today!

Fill out the form below to get started.

Select services

Additional Notes

previous

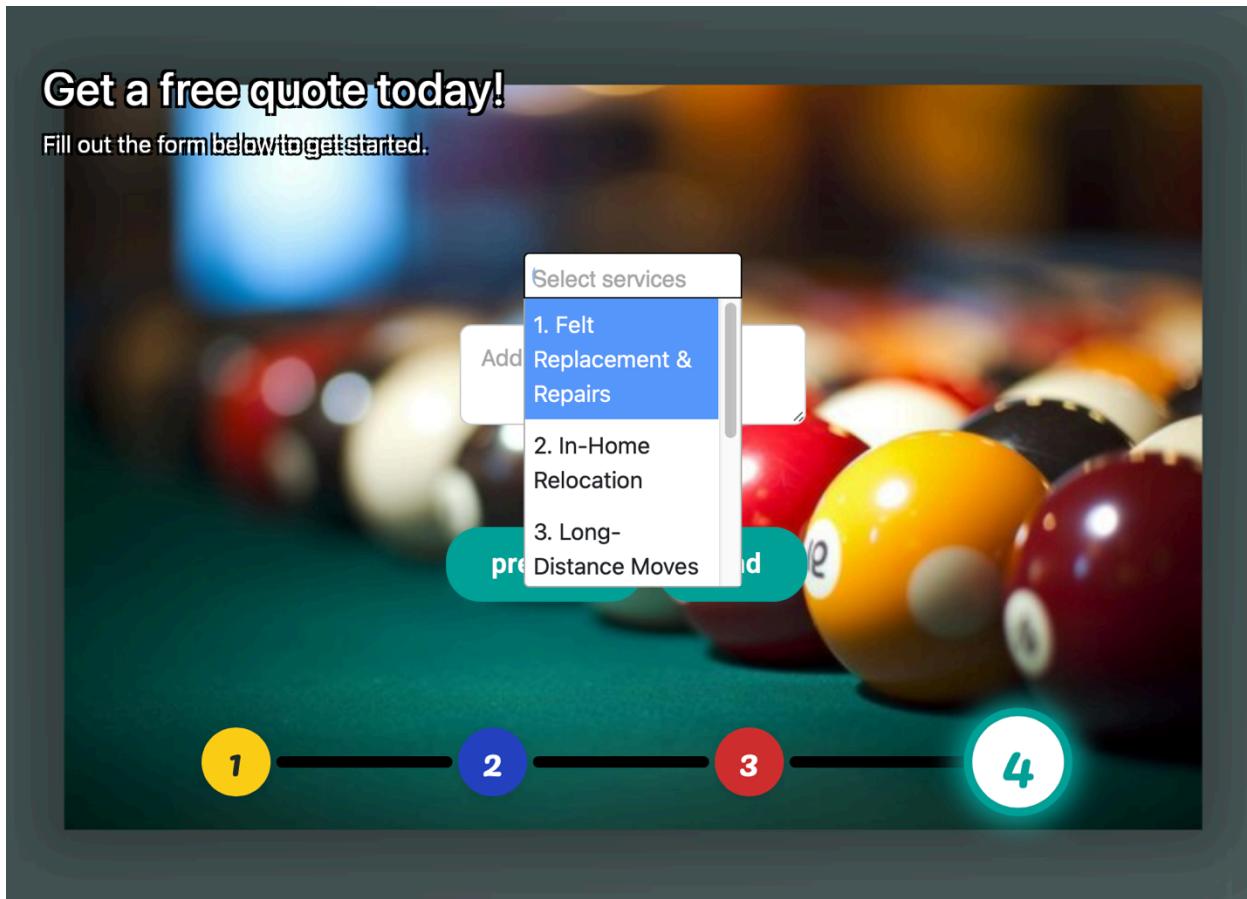
send

1

2

3

4



3. Quote Form

Multi-step quote form:

- Input fields: First name, last name, email, phone, address, city, state, zip, service requested (multi-select), notes.
- Progress bar: Custom ball-style progress indicator updates as user moves through steps.
- Next/Previous buttons: Navigate between form steps.
- Get Started button: Begins the quote process.
- Send/Submit button: Submits the quote request.
- Validation: Alerts user if required fields are missing.
- Select2 dropdown: For service selection, allows multiple choices and clearing.

4. Carousel

Image carousel:

- Next/Previous controls: Navigate between images.
- Indicators: Show which image is active.
- Responsive images: Adjust size for mobile/desktop.
- Review captions: Display customer reviews per image.
- Edit button (admin only): directs you to carousel upload image page.

5. Services Section

Service titles and descriptions:

- Editable by admin (edit/save buttons for each service).
- Edit/Save buttons (admin only): Toggle between view and edit mode for each service title/description.
- Button that scrolls user back to form section.

6. Footer

- Contact info: Clickable phone number.
- Logo image: Responsive.
- Home page link: Navigates to homepage.
- Back to Top link: Scrolls page to top.
- Link to code review page

7. Responsiveness

- Mobile compatibility:
- Layout adapts for smaller screens.
- Carousel, forms, buttons, and text resize and reposition for usability.
- Hamburger menu or simplified navigation (if implemented).

8. General Buttons

All buttons:

- Styled for hover, active, and focus states.
- Accessible via keyboard (tab navigation).
- Large touch targets for mobile.

9. Admin Controls (if logged in)

- Edit/Save for company description
- Edit/Save for each service title/description
- Image upload/delete (if carousel management is present on this page)

10. Form Feedback

Alerts/messages:

- Show validation errors.
- Show success/failure after submission.

Privacy Policy Page



1. Main Content

Privacy Policy text:

- Static, not editable by users.
- Structured with headings and paragraphs for readability.

2. Footer

Contact info:

- Clickable phone number (tel: link).
- Logo image: Responsive.
- Home page link: Navigates to homepage.
- Back to Top link: Scrolls page to top.

4. Responsiveness

Mobile compatibility:

- Layout adapts for smaller screens.
- Text, images, and buttons resize and reposition for usability.

5. General Buttons/Links

All links/buttons:

- Styled for hover, active, and focus states.
- Accessible via keyboard (tab navigation).
- Large touch targets for mobile.

Login Page



1. Login Form

- Username input field:
- User enters their username.
- Password input field:
- User enters their password.
- Login button:
- Submits the form for authentication.
- Shows error message if login fails.
- Form validation:
- Alerts user if required fields are missing.
- Prevents submission if fields are empty.

2. Feedback/Alerts

Error message display:

- Shows if login fails (wrong credentials, missing fields).

3. Navigation Links

Homepage link:

- Navigates back to the home page.

4. Logo

Logo image:

- Displayed above the form.

5. General Buttons/Inputs

All buttons/inputs:

- Styled for hover, active, and focus states.
- Accessible via keyboard (tab navigation).

Admin Page



1. Header

Homepage button:

- Navigates to the home page.

Logout button:

- Logs out the current admin and redirects to login page.

Update Account button:

- Navigates to the update account page.

2. Customer Management

Customer search bar:

- Allows admin to search for customers by name, email, or other criteria.

Add customer button:

- Opens a form to add a new customer.

Customer table/list:

- Displays all customers with relevant info (name, contact, address, service, notes, date added).

Edit button (per customer):

- Opens a form to edit customer details.

Delete button (per customer):

- Prompts for confirmation, then deletes customer.

3. Feedback/Alerts

Success/error messages:

- Displayed after actions like add, edit, delete, or update.

6. General Buttons/Inputs

All buttons/inputs:

- Styled for hover, active, and focus states.
- Accessible via keyboard (tab navigation).

Update Account Page



1. Header

Homepage button:

- Navigates to the home page.

Admin Page button:

- Navigates to the admin dashboard.

Add Admin button:

- Navigates to the add admin page.

Logout button:

- Logs out the current admin and redirects to login page.

2. Update Account Form

Username field:

- Displays current username (read-only).

Email field:

- Editable; allows admin to update their email address.

Phone number field:

- Editable; allows admin to update their phone number.

Current password field:

- Required to change password.

New password field:

- Enter new password.

Confirm new password field:

- Must match new password.

Save/Update button:

- Submits changes to update account info.

Validation:

- Alerts for missing fields, password mismatch, or incorrect current password.

3. Feedback/Alerts

Success message:

- Displayed when account update is successful.

Error message:

- Displayed for validation errors or failed updates.

4. Navigation

Back to Admin Page link:

- Returns to admin dashboard.

Add Admin link:

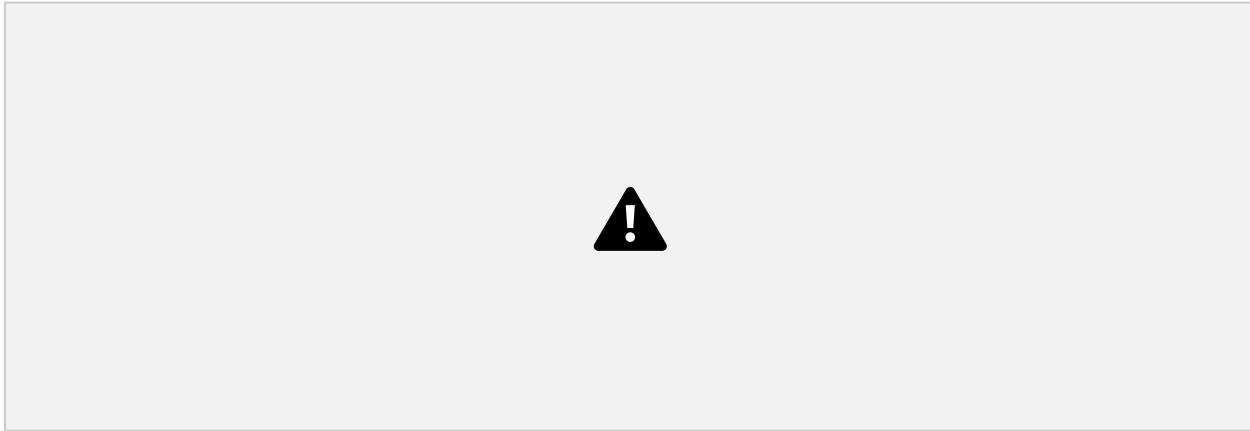
- Navigates to add admin page.

5. General Buttons/Inputs

All buttons/inputs:

- Styled for hover, active, and focus states.
- Accessible via keyboard (tab navigation).

Add New Admin Page



1. Header

Homepage button:

- Navigates to the home page.

Update Account button:

- Navigates to the update account page.

Logout button:

- Logs out the current admin and redirects to login page.

2. Add Admin Form

Username input field:

- Enter new admin's username.

Email input field:

- Enter new admin's email address.

Phone number input field:

- Enter new admin's phone number.

Password input field:

- Enter new admin's password.

Confirm password input field:

- Must match password.

Submit/Add Admin button:

- Submits the form to create a new admin account.

Validation:

- Alerts for missing fields, password mismatch, duplicate username, or invalid email.

3. Feedback/Alerts

Success message:

- Displayed when admin registration is successful.

Error message:

- Displayed for validation errors or failed registration.

4. Navigation

Back to Update Account link:

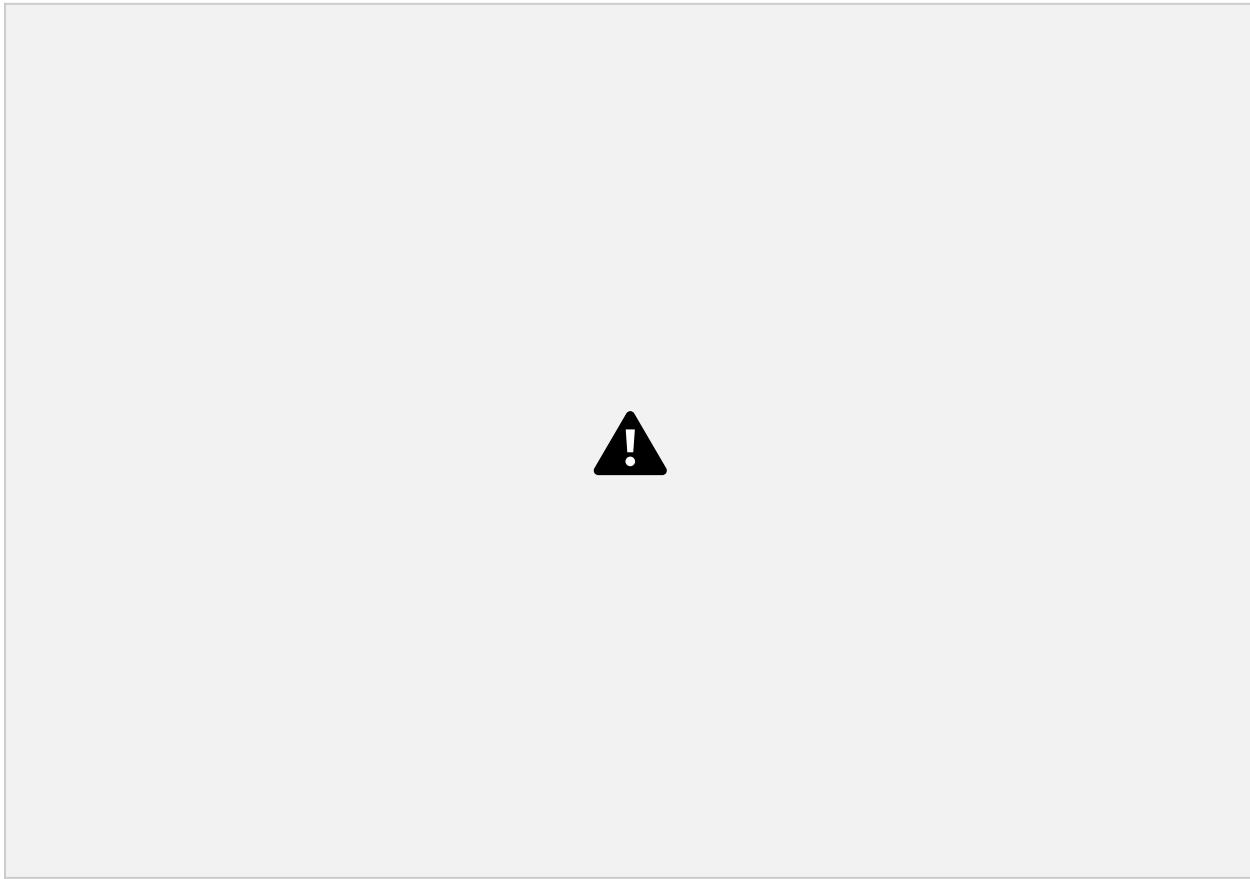
- Returns to update account page.

5. General Buttons/Inputs

All buttons/inputs:

- Styled for hover, active, and focus states.
- Accessible via keyboard (tab navigation).

Carousel Upload Image Page



1. Header

Homepage button:

- Navigates to the home page.

2. Image Upload Form

File input field:

- Allows admin to select an image file from their device.
- Accepts common image formats (e.g., .jpg, .png).

Image description input field:

- Allows admin to enter a customer review for each image.

3. Carousel Image Management

Image preview:

- Displays thumbnails of existing carousel images.

Delete image button (per image):

- Allows admin to remove an image from the carousel.
- Prompts for confirmation before deletion.

Update description button (per image):

- Allows admin to update the caption/description(customer review) for an existing image.

Update Image button (per image):

- Allows admin to update the image being used.

4. Feedback/Alerts

Success message:

- Displayed when image upload or deletion is successful.

Error message:

- Displayed for validation errors or failed upload/deletion.

5. General Buttons/Inputs

All buttons/inputs:

Styled for hover, active, and focus states.

Accessible via keyboard (tab navigation).

Colors

Color Palette Guide

Primary Colors

	#00a19a — Teal — buttons, accents, progress bars
	#2242c2 — Blue — buttons, progress bars, accents
	#007bff — Bright blue — backgrounds, buttons, headers
	#002b59 — Dark blue — backgrounds, buttons

Accent Colors

	#fd017 — Yellow — progress balls
	#d12f2f — Red — progress balls, error states, delete buttons
	#e67e22 — Orange — progress balls
	#4caf50 — Green — homepage buttons, add customer
	#45a049 — Darker green — button hover
	#e42828 — Red — logout button
	#0056b3 — Darker blue — button hover
	#218838 — Darker green — add customer button hover
	darkred — Dark red — delete button hover

Background Colors

	#f0f0f0 — Light gray — backgrounds, containers, footer
	#fff — White — backgrounds, text, containers
	lightgray — Light gray — admin customers section
	lightgreen — Light green — admin add customers section

Other Colors

	#ccc — Light gray — borders
	#333 — Dark gray — text
	#b3d9ff — Light blue — search results border
	#f8f9fa — Very light gray — table header
	#f5f5f5 — Very light gray — table row hover
	#e7f3ff — Very light blue — search results background
	#ffff0f0 — Light red — error alert background
	#f0fff0 — Light green — success alert background
	#000 — Black — progress balls, text

Fonts

Roboto

Designed by [Christian Robertson](#), [Paratype](#), [Font Bureau](#)

Sans Serif — Neo Grotesque Technology — Variable Feeling — Business Feeling — Competent Feeling — Calm Feeling — Stiff

Whereas disregard and contempt for human rights have resulted

Pacifico

Designed by [Vernon Adams](#), [Jacques Le Bailly](#), [Botjo Nikoltchev](#), [Ani Petrova](#)

Feeling — Cute Feeling — Sincere Feeling — Playful Calligraphy — Informal Seasonal — Lunar New Year Seasonal — Hanukkah Seasonal — Valentine's Feeling — Artistic Feeling —

Whereas disregard and contempt for human rights have resulted

Fallbacks:

- sans-serif (for body and buttons)
- cursive (for Pacifico)

Feedback

Week 3:

Admin Page:

- Add/delete Clients to and from the database
- Consider implementing ability for admin to add/delete admin accounts
- Consider having clients from database appear in a list and have their information pop out when clicked on by admin

Admin Home Page:

- Add functionality to add/delete services in services section on admin home page
- Allow admin to change order of services
- Add functionality to allow admin to change phone number

Home Page:

- Potentially reposition Call Now button on the home page below or next to the logo on left side
- Replace Services Needed box with a dropdown/checkbox
- Think about asking customers if they have pets(checkbox[Y/N]), parking availability, etc.
- Consider writing out admin phone number for better user experience as well as putting phone number in multiple places on the page
- If client desires, consider adding link on home page to admin's Yelp page

General:

- Look into Cropper.js to allow admin the ability to crop portion of image shown
- Using Cropper.js, lock added photos to a specific aspect ratio for desktop and phone sites respectively
- Consider adding analytics functionality i.e. (how many users are visiting the page, are users clicking on certain buttons, etc.).

Week 6:

General:

- Add service areas to company description section and move both sections right below header

Login Page:

- Login Page's white background feels off, consider making blue color gradient bigger/whole page or make background a darker color
- Round the edges of the login terminal
- Darken the blue color of the login button a bit
- Slightly increase logo size on login page

Admin Page:

- Change padding of buttons to match search box
- Look into sweetalerts to use for admin page
- Use sweetalert to store information entered through the admin page rather than prompts

Home Admin Page:

- Consider making button on home admin page that takes the admin to the page to add and/or delete images

Services Section:

- Visuals look good for this section
- Add functionality to add and delete services
- Potentially have a list of 10 or so icons that the admin can choose from when adding or editing services section

Header:

- Consider adding links to each section on home page

Colors:

- Change company description color to a darker color, potentially same as website background

Fonts:

- Font choice looks good, no complaints

Mobile:

- Layout and colors look good
- Add image carousel to mobile layout
- Consider reordering sections about the company + what they do to be at the top instead of the bottom

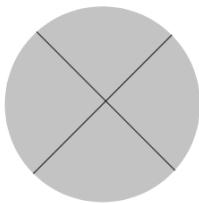
Skeleton – version 1

Home Page

Admin Page

Home Page		Logout
Customer Search	Search	Update Account
Div of client data Name, Location, email, phone, DateTime	Div of client data Name, Location, email, phone, DateTime	Div of client data Name, Location, email, phone, DateTime
Div of client data Name, Location, email, phone, DateTime	Div of client data Name, Location, email, phone, DateTime	Div of client data Name, Location, email, phone, DateTime

Login Page



user

password

LOGIN

Home Page (Admin Login)

Admin Page

Logout

Edit

Call Now

Free Quote

Get a free quote or call us to learn more about our services.

Request a quote

Add

Servicing New England!

Connecticut

Massachusetts

Rhode Island

Call Now

Footer here

Connecticut

Massachusetts

Rhode Island

Call Now

Footer here

Update Admin Password Page

The screenshot shows a user interface for updating an admin password. At the top, there is a navigation bar with three buttons: "Home Page" (highlighted in red), "Admin Page" (highlighted in red), and "Logout". Below the navigation bar, the main content area contains three input fields: "Current Password:", "New Password:", and "Confirm New Password:". A large, empty rectangular area is positioned below these fields. At the bottom of the page is a single button labeled "Save Password Update".

Home Page

Logout

Admin Page

Current Password:

New Password:

Confirm New Password:

Save Password Update

o