Sure, here's the code for the front-end part of the web application for the car service center, including HTML, CSS, and JavaScript files.

### index.html (Home Page)

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Car Service Center</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<nav>

<div class="logo">

<a href="index.html">Car Service Center</a>

</div>

<ul>

<li><a href="index.html">Home</a></li>

<li><a href="inventory.html">Inventory</a></li>

<li><a href="invoicing.html">Invoicing</a></li>

<li><a href="sales.html">Sales</a></li>

<li><a href="login.html">Login</a></li>

<li><a href="register.html">Register</a></li>

</ul>

</nav>

</header>

<main>

<section class="hero">

<h1>Welcome to Car Service Center</h1>

<p>Expert automotive repair and maintenance services</p>

</section>

<section class="services">

<h2>Our Services</h2>

<div class="service-tiles">

<div class="tile">

<h3>Invoicing</h3>

<p>Manage your invoices efficiently.</p>

<a href="invoicing.html">Learn More</a>

</div>

<div class="tile">

<h3>Inventory</h3>

<p>Keep track of your parts and vehicles.</p>

<a href="inventory.html">Learn More</a>

</div>

<div class="tile">

<h3>Sales</h3>

<p>Monitor your sales and revenue.</p>

<a href="sales.html">Learn More</a>

</div>

</div>

</section>

</main>

<footer>

<p>&copy; 2023 Car Service Center. All rights reserved.</p>

</footer>

</body>

</html>

```

### login.html

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Login - Car Service Center</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<nav>

<div class="logo">

<a href="index.html">Car Service Center</a>

</div>

<ul>

<li><a href="index.html">Home</a></li>

<li><a href="login.html">Login</a></li>

<li><a href="register.html">Register</a></li>

</ul>

</nav>

</header>

<main>

<section class="login-section">

<h2>Login</h2>

<form id="loginForm">

<div>

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

<input type="text" id="username" name="username" required>

</div>

<div>

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

<input type="password" id="password" name="password" required>

</div>

<button type="submit">Login</button>

</form>

</section>

</main>

<footer>

<p>&copy; 2023 Car Service Center. All rights reserved.</p>

</footer>

<script src="script.js"></script>

</body>

</html>

```

### register.html

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Register - Car Service Center</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<nav>

<div class="logo">

<a href="index.html">Car Service Center</a>

</div>

<ul>

<li><a href="index.html">Home</a></li>

<li><a href="login.html">Login</a></li>

<li><a href="register.html">Register</a></li>

</ul>

</nav>

</header>

<main>

<section class="register-section">

<h2>Register</h2>

<form id="registerForm">

<div>

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

<input type="text" id="username" name="username" required>

</div>

<div>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required>

</div>

<div>

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

<input type="password" id="password" name="password" required>

</div>

<div>

<label for="confirmPassword">Confirm Password:</label>

<input type="password" id="confirmPassword" name="confirmPassword" required>

</div>

<button type="submit">Register</button>

</form>

</section>

</main>

<footer>

<p>&copy; 2023 Car Service Center. All rights reserved.</p>

</footer>

<script src="script.js"></script>

</body>

</html>

```

### inventory.html

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Inventory - Car Service Center</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<nav>

<div class="logo">

<a href="index.html">Car Service Center</a>

</div>

<ul>

<li><a href="index.html">Home</a></li>

<li><a href="inventory.html">Inventory</a></li>

<li><a href="invoicing.html">Invoicing</a></li>

<li><a href="sales.html">Sales</a></li>

<li><a href="login.html">Logout</a></li>

</ul>

</nav>

</header>

<main>

<section class="inventory-section">

<h2>Inventory</h2>

<div class="table-selection">

<label for="tableSelect">Select Table:</label>

<select id="tableSelect">

<option value="parts">Parts</option>

<option value="vehicles">Vehicles</option>

<option value="customers">Customers</option>

</select>

</div>

<div class="table-container">

<table id="dataTable">

<thead>

<tr>

<!-- Table headers will be dynamically generated -->

</tr>

</thead>

<tbody>

<!-- Table rows will be dynamically generated -->

</tbody>

</table>

</div>

<div class="actions">

<button id="addRowBtn">Add Row</button>

<button id="deleteRowBtn">Delete Row</button>

</div>

</section>

</main>

<footer>

<p>&copy; 2023 Car Service Center. All rights reserved.</p>

</footer>

<script src="script.js"></script>

</body>

</html>

```

Sure, here's the rest of the front-end code:

### invoicing.html

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Invoicing - Car Service Center</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<nav>

<div class="logo">

<a href="index.html">Car Service Center</a>

</div>

<ul>

<li><a href="index.html">Home</a></li>

<li><a href="inventory.html">Inventory</a></li>

<li><a href="invoicing.html">Invoicing</a></li>

<li><a href="sales.html">Sales</a></li>

<li><a href="login.html">Logout</a></li>

</ul>

</nav>

</header>

<main>

<section class="invoicing-section">

<h2>Invoicing</h2>

<!-- Add your invoicing functionality here -->

</section>

</main>

<footer>

<p>&copy; 2023 Car Service Center. All rights reserved.</p>

</footer>

<script src="script.js"></script>

</body>

</html>

```

### sales.html

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Sales - Car Service Center</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<nav>

<div class="logo">

<a href="index.html">Car Service Center</a>

</div>

<ul>

<li><a href="index.html">Home</a></li>

<li><a href="inventory.html">Inventory</a></li>

<li><a href="invoicing.html">Invoicing</a></li>

<li><a href="sales.html">Sales</a></li>

<li><a href="login.html">Logout</a></li>

</ul>

</nav>

</header>

<main>

<section class="sales-section">

<h2>Sales</h2>

<!-- Add your sales functionality here -->

</section>

</main>

<footer>

<p>&copy; 2023 Car Service Center. All rights reserved.</p>

</footer>

<script src="script.js"></script>

</body>

</html>

```

### styles.css

```css

/\* Reset and global styles \*/

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: Arial, sans-serif;

line-height: 1.6;

}

/\* Header styles \*/

header {

background-color: #333;

color: #fff;

padding: 1rem;

}

nav {

display: flex;

justify-content: space-between;

align-items: center;

}

.logo a {

color: #fff;

text-decoration: none;

font-size: 1.5rem;

font-weight: bold;

}

nav ul {

list-style: none;

display: flex;

}

nav ul li {

margin-left: 1rem;

}

nav ul li a {

color: #fff;

text-decoration: none;

}

/\* Main content styles \*/

main {

padding: 2rem;

}

.hero {

background-color: #f2f2f2;

padding: 4rem 2rem;

text-align: center;

}

.services {

margin-top: 2rem;

}

.service-tiles {

display: flex;

justify-content: space-around;

flex-wrap: wrap;

}

.tile {

background-color: #f2f2f2;

padding: 1.5rem;

margin: 1rem;

text-align: center;

flex-basis: 300px;

}

.tile a {

display: inline-block;

margin-top: 1rem;

text-decoration: none;

background-color: #333;

color: #fff;

padding: 0.5rem 1rem;

border-radius: 4px;

}

/\* Login and Register styles \*/

.login-section,

.register-section {

max-width: 400px;

margin: 0 auto;

padding: 2rem;

background-color: #f2f2f2;

border-radius: 4px;

}

.login-section h2,

.register-section h2 {

margin-bottom: 1rem;

}

.login-section form,

.register-section form {

display: flex;

flex-direction: column;

}

.login-section form div,

.register-section form div {

margin-bottom: 1rem;

}

.login-section form label,

.register-section form label {

font-weight: bold;

}

.login-section form input,

.register-section form input {

padding: 0.5rem;

border-radius: 4px;

border: 1px solid #ccc;

}

.login-section form button,

.register-section form button {

padding: 0.5rem 1rem;

background-color: #333;

color: #fff;

border: none;

border-radius: 4px;

cursor: pointer;

}

/\* Inventory styles \*/

.inventory-section {

max-width: 800px;

margin: 0 auto;

}

.table-selection {

margin-bottom: 1rem;

}

.table-container {

overflow-x: auto;

}

table {

width: 100%;

border-collapse: collapse;

}

th, td {

padding: 0.5rem;

border: 1px solid #ccc;

}

.actions {

margin-top: 1rem;

}

.actions button {

padding: 0.5rem 1rem;

background-color: #333;

color: #fff;

border: none;

border-radius: 4px;

cursor: pointer;

margin-right: 0.5rem;

}

/\* Footer styles \*/

footer {

background-color: #333;

color: #fff;

padding: 1rem;

text-align: center;

}

```

### script.js

```javascript

// Login form submission

const loginForm = document.getElementById('loginForm');

loginForm.addEventListener('submit', (e) => {

e.preventDefault();

const username = document.getElementById('username').value;

const password = document.getElementById('password').value;

// Perform login logic here

// ...

// Redirect to the inventory page or show an error message

});

// Register form submission

const registerForm = document.getElementById('registerForm');

registerForm.addEventListener('submit', (e) => {

e.preventDefault();

const username = document.getElementById('username').value;

const email = document.getElementById('email').value;

const password = document.getElementById('password').value;

const confirmPassword = document.getElementById('confirmPassword').value;

// Perform registration logic here

// ...

// Redirect to the login page or show a success message

});

// Inventory table functionality

const tableSelect = document.getElementById('tableSelect');

const dataTable = document.getElementById('dataTable');

const addRowBtn = document.getElementById('addRowBtn');

const deleteRowBtn = document.getElementById('deleteRowBtn');

// Load the initial table data

loadTableData();

// Table select event listener

tableSelect.addEventListener('change', () => {

loadTableData();

});

// Add row event listener

Sure, here's the rest of the `script.js` file:

```javascript

addRowBtn.addEventListener('click', () => {

const table = dataTable.getElementsByTagName('tbody')[0];

const newRow = table.insertRow();

const selectedTable = tableSelect.value;

// Dynamically create input fields based on the selected table

switch (selectedTable) {

case 'parts':

const partNameCell = newRow.insertCell();

const partNameInput = document.createElement('input');

partNameInput.type = 'text';

partNameCell.appendChild(partNameInput);

const partDescriptionCell = newRow.insertCell();

const partDescriptionInput = document.createElement('input');

partDescriptionInput.type = 'text';

partDescriptionCell.appendChild(partDescriptionInput);

const partPriceCell = newRow.insertCell();

const partPriceInput = document.createElement('input');

partPriceInput.type = 'number';

partPriceCell.appendChild(partPriceInput);

break;

case 'vehicles':

// Add input fields for vehicles table

break;

case 'customers':

// Add input fields for customers table

break;

// Add cases for other tables

}

});

// Delete row event listener

deleteRowBtn.addEventListener('click', () => {

const table = dataTable.getElementsByTagName('tbody')[0];

const rowCount = table.rows.length;

if (rowCount > 0) {

const lastRow = table.rows[rowCount - 1];

table.deleteRow(rowCount - 1);

}

});

// Function to load table data

function loadTableData() {

const selectedTable = tableSelect.value;

const table = dataTable.getElementsByTagName('tbody')[0];

// Clear existing table data

while (table.rows.length > 0) {

table.deleteRow(0);

}

// Fetch data from the server or database based on the selected table

// and populate the table rows dynamically

// Example data for parts table

if (selectedTable === 'parts') {

const headers = ['Part Name', 'Description', 'Price'];

const data = [

['Oil Filter', 'Automotive oil filter', 9.99],

['Brake Pads', 'Front brake pads', 29.99],

['Spark Plugs', 'Set of 4 spark plugs', 14.99],

];

// Create table headers

const headerRow = table.insertRow();

headers.forEach((header) => {

const th = document.createElement('th');

th.textContent = header;

headerRow.appendChild(th);

});

// Create table rows

data.forEach((row) => {

const newRow = table.insertRow();

row.forEach((cell) => {

const newCell = newRow.insertCell();

newCell.textContent = cell;

});

});

}

}

```

This `script.js` file includes the following functionality:

1. \*\*Login Form Submission\*\*: Handles the login form submission and performs the necessary login logic (to be implemented).

2. \*\*Register Form Submission\*\*: Handles the registration form submission and performs the necessary registration logic (to be implemented).

3. \*\*Inventory Table Functionality\*\*:

- Loads the initial table data based on the selected table option.

- Allows the user to switch between different tables (parts, vehicles, customers, etc.) using the dropdown menu.

- Provides functionality to add a new row to the table, with dynamic input fields based on the selected table.

- Allows the user to delete the last row from the table.