



CSIT 128 - PETOPIA

First Deliverable

Our project revolves around building a website that provides services for pets that is both interactive and easy to use

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PETOPIA

Where Every Pet Finds Unconditional Love

About Us

Welcome to Petopia! A one step online destination where adopting and taking care of your furry friend is made hassle free and economical.

Services

Our website aims to give shelter and a loving home to a range of animals including:

- Kittens
- Puppies
- Ducklings
- Hamsters
- Rabbits

And are not limited to services that include:

1. Grooming
2. Adopting a Pet!
3. Dental Care
4. Veterinary Services
5. Training
6. Day Care

That are specifically tailored for each animal category.

Book With Us!

To select a service,

1. Simply visit our website.
2. Sign up if not already a member.
3. Choose a service for the desired pet.
4. Add that to your account.
5. You will be contacted once the booking is accepted!

And that's it! In a series of simple steps, you've booked your service.

Contact Us:

Please refer to our website www.petopia.ae

Don't hesitate to call us at **+971 266 673 87**

Find us at *Muroor Road, Abu Dhabi, UAE.*



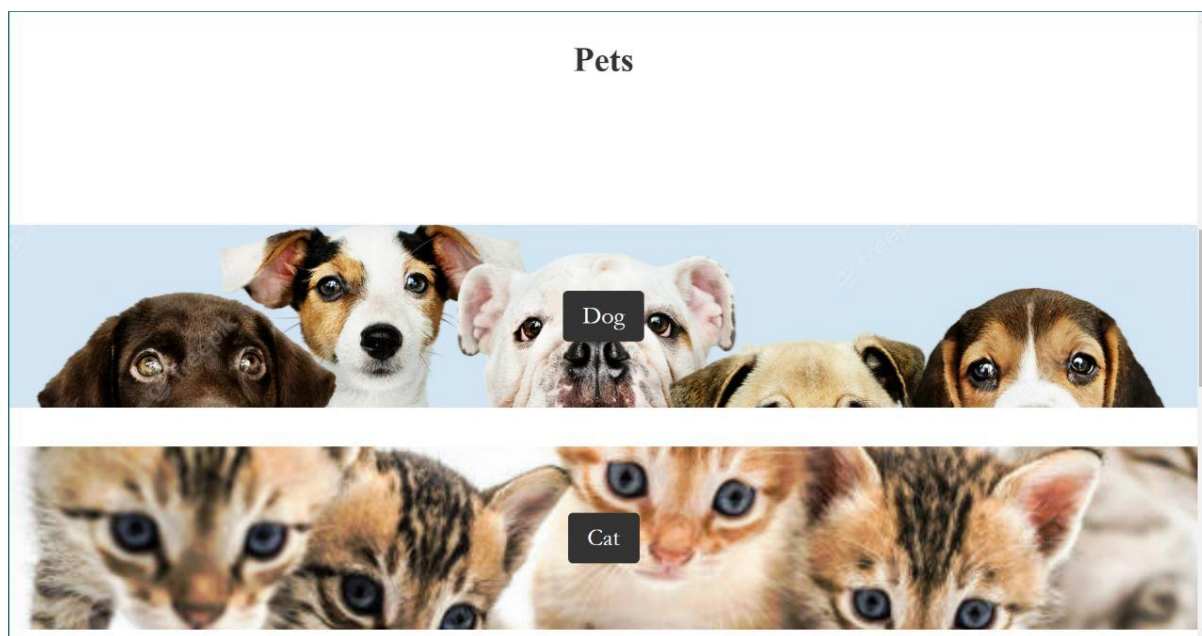
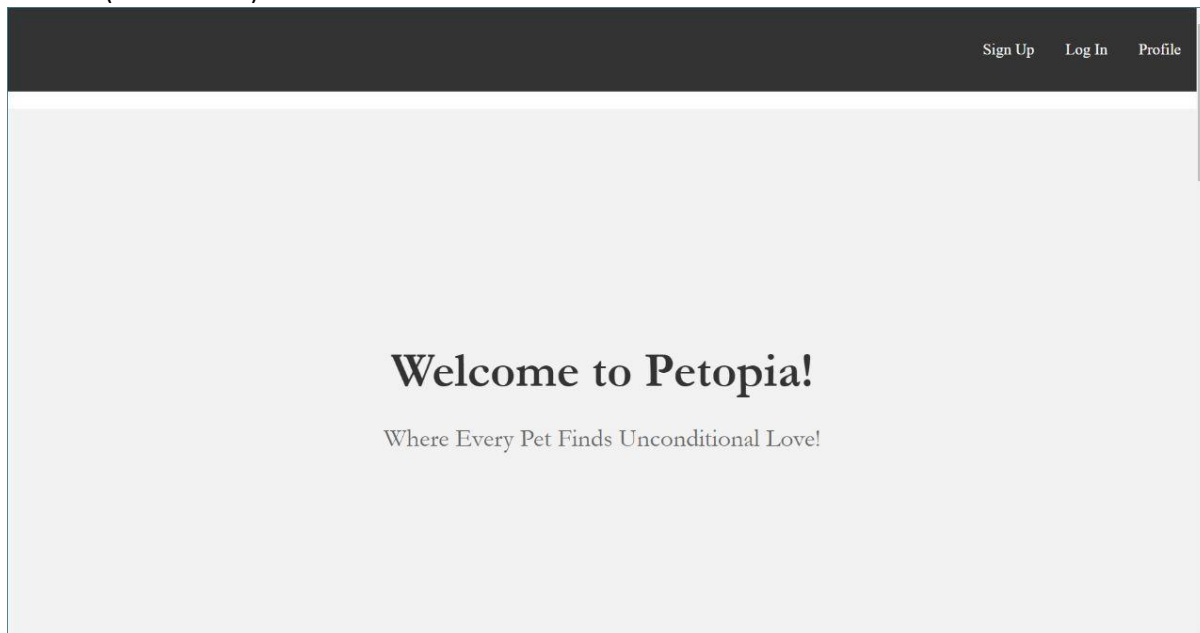
Web Page Description

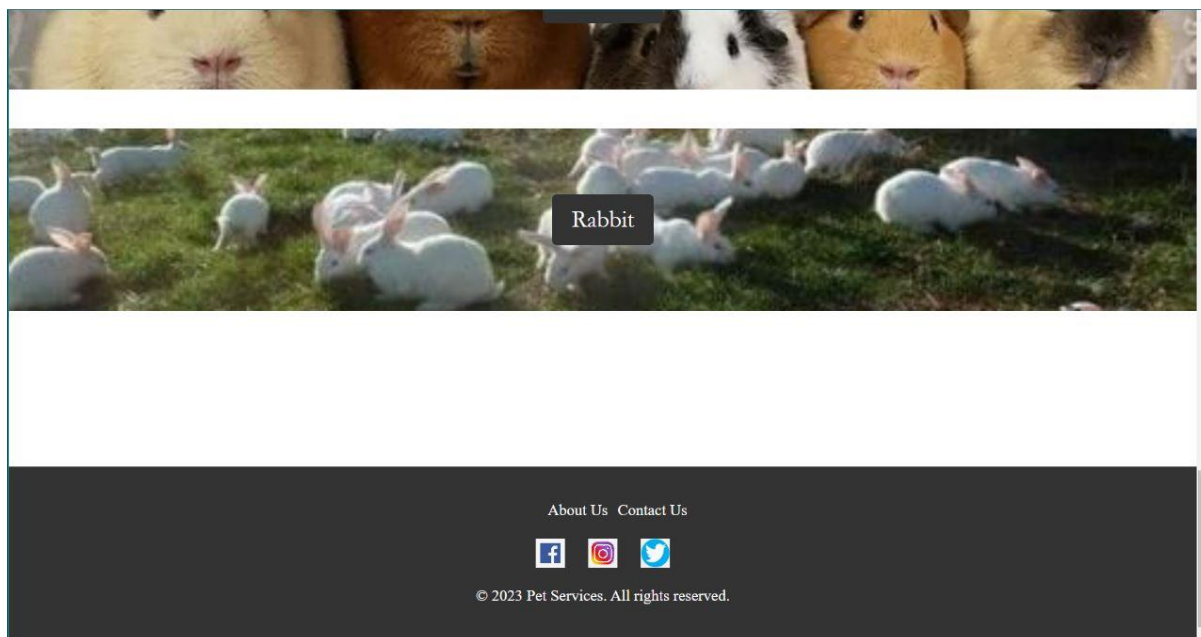
Home Page -

Home Page (Home.html)

Header (header.html)

Footer (footer.html)





Welcome to Petopia - Your Ultimate Animal Service Destination! At Petopia, we are dedicated to providing exceptional animal services and experiences for pet owners of all kinds. Whether you are looking to adopt a new furry companion, ensure top-notch care for your pets, or engage in community events with fellow animal lovers, Petopia is here to fulfill your needs.

In the header section, you will find convenient options for logging in, signing up, and accessing your profile. If you are a new user looking to join our community, an existing member returning to our website, or someone who wants to manage their profile information and preferences, Petopia has you covered.

As you explore the main section of the homepage, you will discover our diverse range of pets. From loyal dogs and independent cats to adorable ducks, hamsters, and rabbits, we celebrate the unique companionship that each pet brings to our lives.

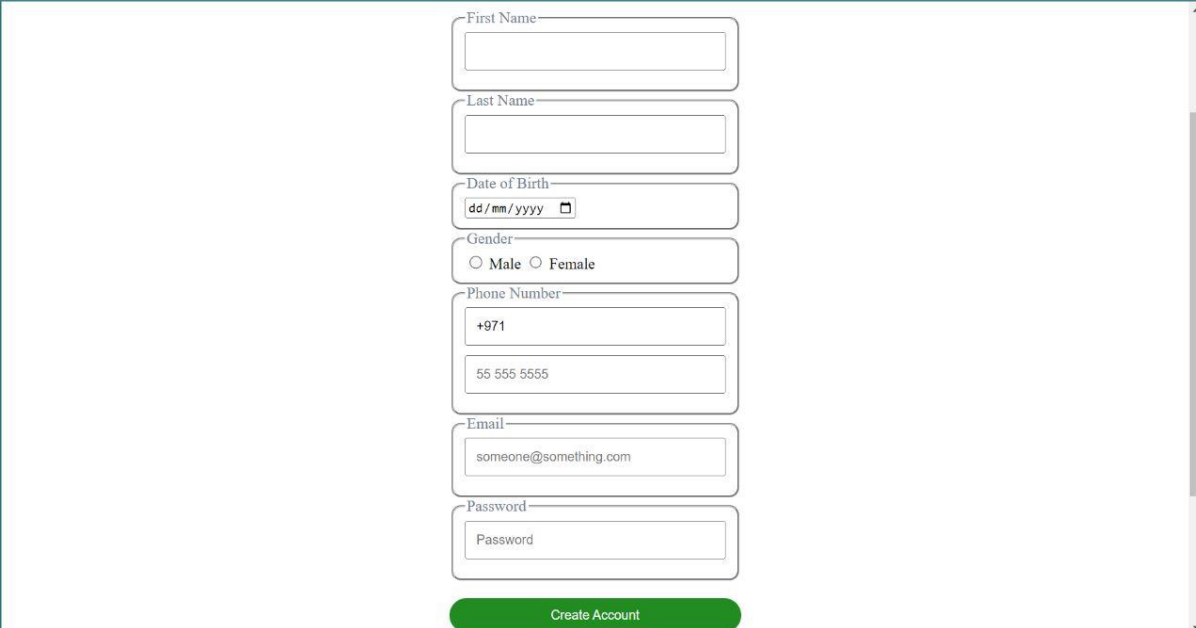
Scrolling down, you will find an "About Us" section, where we provide a glimpse into our mission and values. We are passionate about connecting pets with loving families and promoting their well-being.

For those seeking further information or wishing to get in touch, we offer a "Contact Us" link. Our dedicated team is here to answer any questions or concerns you may have about our services or pet-related inquiries. Additionally, you can connect with us on popular social media platforms such as Facebook, Instagram, and Twitter, allowing you to stay up to date with the latest news, events, and adorable pet pictures from Petopia's vibrant community.

At the bottom of the page, you will find the copyright notice, indicating that Petopia is a trusted and registered pet services provider, with all rights reserved.

[Sign Up](#)

(SignUp.html)



The screenshot shows a sign-up form for Petopia. The form is centered on a light gray background. It consists of several input fields stacked vertically, each with a label above it: 'First Name', 'Last Name', 'Date of Birth' (with a date picker icon), 'Gender' (with radio buttons for 'Male' and 'Female'), 'Phone Number' (with a country code dropdown showing '+971' and a text input field containing '55 555 5555'), 'Email' (with a text input field containing 'someone@something.com'), and 'Password' (with a text input field containing 'Password'). Below the input fields is a green button labeled 'Create Account'.

The following page provides a detailed description of the sign-up page for Petopia. It outlines the necessary information and steps required to create an account on Petopia's platform, allowing users to access a range of exclusive animal services and experiences.

Section 1: User Information

Upon accessing the sign-up page, users are prompted to provide their personal details to create an account. The required information includes:

- **First Name:** Users are required to enter their first name.
- **Last Name:** Users are required to enter their first name.
- **Date of Birth:** Users are required to enter their date of birth in the format MM/DD/YYYY
- **Gender:** Users are given two options, Male or Female to choose from.
- **Phone Number:** Users are expected to provide their phone number, including the country code, for communication purposes.
- **Email:** Users are required to enter their email address, which will serve as their username for logging in.



- Password: Users are required to create a secure password for their Petopia account. The password must be at least eight characters long and include a combination of letters, numbers, and special characters.

Section 2: Account Creation

Once all the necessary user information has been provided, users are instructed to click on the "Create Account" button to complete the registration process. This step signifies the user's consent to create an account on Petopia's platform, granting them access to various exclusive benefits and services.

[Log In](#)

(LogIn.html)

The screenshot shows the login interface of the Petopia website. At the top, a dark navigation bar contains the links "Sign Up", "Log In", and "Profile". The main content area features a login form with two input fields: "Email" (containing the placeholder "someone@something.com") and "Password" (containing the placeholder "Password"). Below these fields is a green "Log In" button. At the bottom, a dark footer bar includes links for "About Us" and "Contact Us", social media icons for Facebook, Instagram, and Twitter, and a copyright notice: "© 2023 Pet Services. All rights reserved."

This is a description of the log-in page for the existing members of Petopia.

Section 1: User Credentials

Upon accessing the log-in page, users are prompted to provide their unique credentials to authenticate their identity and gain access to their account. The required information includes:

- Email: Users are required to enter the email address associated with their Petopia account. This email address serves as their unique username for logging in.



- Password: Users must enter their password, which they previously created during the account registration process. The password is securely stored and used to validate the user's identity.

Section 2: Account Access

After providing the necessary credentials, users are instructed to click on the "Log In" button to proceed. This action initiates the authentication process, where Petopia verifies the entered email and password against their database to grant access to the user's account.

Profile Page (Profile.html)

Petopia



Name :

Email Address :

Phone Number :

Address :

Appointment
Previous Services
Payment
Petopian Points
Reviews



The profile page serves as a central hub for users to manage their personal information, track appointments, view previous services, manage payments, accumulate Petopian Points, and leave reviews. This report outlines the various sections and functionalities available on the profile page.

Section 1: User Information

The profile page begins with a section displaying the user's profile picture, if available. This section aims to personalize the user's experience on Petopia's platform. Below the profile picture, users can view and edit their personal information, including:

- **Name:** Users can see and update their name on the profile page.
- **Email Address:** The user's email address, associated with their Petopia account, is displayed here.
- **Phone Number:** Users can view and manage their phone number, which serves as a point of contact for communication.
- **Address:** This section allows users to view and update their address information.

Section 2: Appointment Tracking

The profile page provides a dedicated section for users to track their upcoming appointments. It also allows users to conveniently manage their pet-related appointments, such as veterinary visits or grooming sessions. Users can view the date, time, and details of their scheduled appointments.

Section 3: Previous Services

In this section, users can access a comprehensive record of their previous services with Petopia. This includes information about past appointments, such as dates, types of services received, and any special instructions or notes. The user can refer to this section to keep track of their pet's history and easily recall the services they have availed themselves of.

Section 4: Payment Management

Petopia's profile page offers a dedicated section for users to manage their payments. This feature allows users to view and update their payment information, such as credit card details or preferred payment methods. It provides a convenient and secure way for users to manage their financial transactions related to pet services.

Section 5: Petopian Points

Petopia rewards users with Petopian Points, which can be accumulated and redeemed for diverse benefits and discounts. The profile page displays the user's current Petopian Points balance. Users can keep track of their points and learn about the available rewards and benefits associated with their loyalty to Petopia.

Section 6: Reviews


Petopia encourages users to share their experiences and feedback by providing a dedicated section for leaving reviews. Users can rate and provide comments on the services they have received, helping other pet owners make informed decisions and fostering a sense of community on the platform.

Services (one animal category shown)

Cat Services (Cat.html)

Cat Services

Welcome to Petopia, where we provide exceptional cat pet services. Our team of cat enthusiasts offers a range of specialized services, including grooming, nail trimming, ear cleaning, dental care, day care and veterinary care. With a cat-friendly environment, experienced staff, and a commitment to safety, we ensure that your beloved feline receives the best care possible. Explore our testimonials and informative resources, and contact us today to book our services for your purr-fect companion!



Complete Grooming

Starting from just 250AED

Our complete grooming package for cats includes bathing, brushing, nail trimming, ear cleaning, sanitary trim, paw pad care, coat styling, and finishing touches for a well-groomed and happy feline companion.

This page presents a detailed description of one of the Services pages on Petopia's website (cat service), dedicated to providing exceptional care and specialized services for cats. With a team of dedicated cat enthusiasts, Petopia offers a comprehensive range of services, including grooming, nail trimming, ear cleaning, dental care, day care, veterinary care, and adoption. This report highlights the various cat services available, their benefits, and the overall commitment to ensuring the well-being of feline companions.

Appointment

Name:

Email:

Phone:

Address:

City:

Service:

☐ Complete Grooming

☐ Nail Trimming

☐ Ear Cleaning

☐ Dental Care

☐ Day Care

☐ Nutrition And Dietary Advice

☐ Veterinary Service

Preferred Date:

dd/mm/yyyy

Preferred Time:

--:--:--

Requests/Message:

Submit

This is the description for the Appointment page on Petopia's website. The Appointment page serves as a user-friendly platform for customers to schedule appointments for numerous services offered by Petopia, including complete grooming, dental care, dog walking, dog training, day care, boarding, and veterinary services.

Section 1: Appointment Details

The Appointment page on Petopia's website begins with a section where customers can fill out their personal information and appointment preferences. This section includes the following fields:

- **Name:** Customers are required to enter their full name.



- Email: Customers need to provide a valid email address for communication purposes.
- Phone: Customers are required to enter their contact phone number.
- Address: Customers should input their complete address.
- City: Customers need to specify the city in which they reside.

Section 2: Service Selection

Section 3: Preferred Date and Time

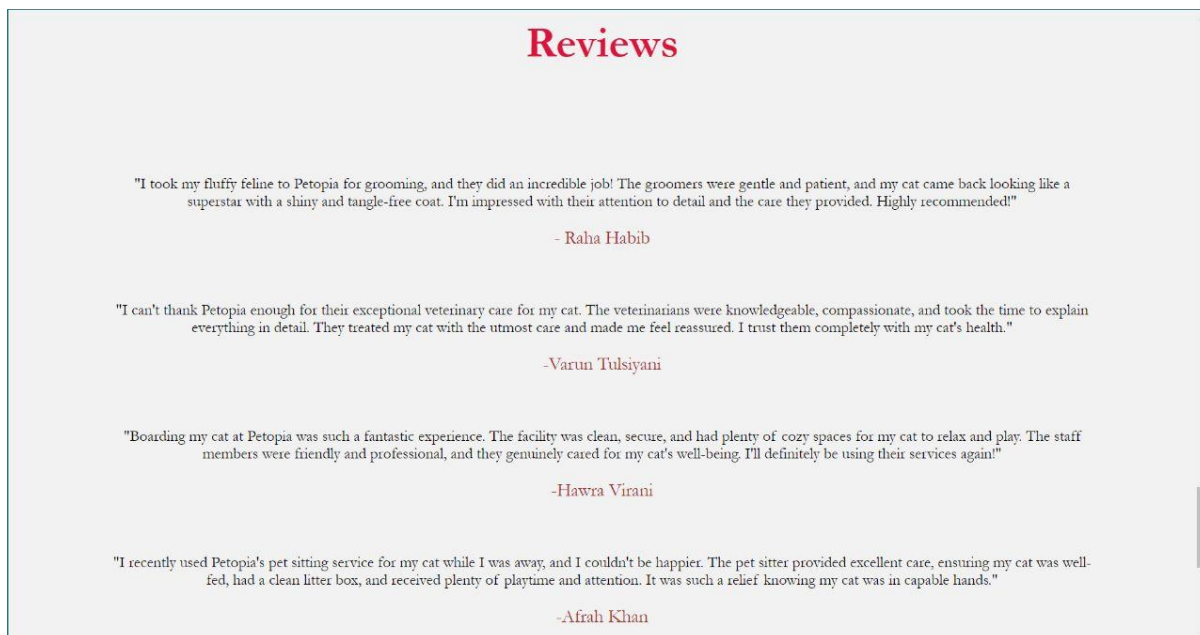
Section 4: Additional Requests or Message

Petopia understands that customers may have specific requests or messages related to their appointments. This section provides a space for customers to communicate any special instructions or additional information regarding their appointment.

Section 5: Submission

Once all the necessary information has been provided, customers can click on the "Submit" button to finalize their appointment request. This action sends the appointment details to Petopia's system for further processing.

Reviews



The Reviews page serves as a platform where customers can share their experiences and feedback regarding the numerous services offered by Petopia. This report highlights the valuable testimonials provided by satisfied customers, offering insights into the quality and excellence of Petopia's pet services.

((A few reviews are shown that were given to Petopia by the satisfied customers.))



Problem Description

In a vast world of pet services, a persistent challenge for pet owners is the lack of reliable and convenient pet service providers. The search for trusted professionals was often fragmented leaving pet owners feeling uncertain about the quality and trustworthiness of the options available. To address this problem with utmost efficiency, we embarked on the development of a captivating web application that combines the power of HTML, CSS, form validation, JavaScript, and JSON. Through the seamless integration of these languages, our goal to create an immersive online platform that connects pet owners with a diverse array of reputable pet services is presented below.

Harnessing the capabilities of HTML and CSS, we meticulously designed an intuitive and visually appealing interface that caters to the needs of both pet owners and PETOPIA. With careful attention to detail, our web page provides a seamless browsing experience, allowing users to effortlessly explore various services and offerings.

To ensure the reliability and accuracy of user-submitted information, we used form validations features. We added real-time validation checks, immediately warning users of any problems or missing data, by utilizing JavaScript's functionality. This improved the user experience while also ensuring the collection of accurate and full data, enabling service providers to provide the best care for pets.

Additionally, we harnessed the power of JSON, a lightweight data interchange format. JSON allows us to efficiently organize and structure data, facilitating smooth communication between different paths of our web page. By using JSON, we can easily store and retrieve relevant information, providing a seamless experience for both pet owners and PETOPIA.

Through the blend of these powerful languages, our objective was to develop a transformational web application that makes it easier to find pet services by combining these potent languages. We created a centralized hub where pet owners can easily access services ranging from grooming and boarding to training and veterinary care by reducing time and instilling confidence through handpicked and trusted suppliers.

HTML

We have highlighted and explained the important codes from our HTML files:

Part 1:

```
header.html X
CSIT 128 > Project Final > <> header.html > link
1 <link rel="stylesheet" href="HeaderFooter.css">
2
3 <header>
4   <ul class="header-navigation">
5     <li><a href="Profile.html" target="_parent">Profile</a></li>
6     <li><a href="Login.html" target="_parent">Log In</a></li>
7     <li><a href="SignUp.html" target="_top">Sign Up</a></li>
8   </ul>
9 </header>
```

Figure 1- File for header

```
footer.html X
CSIT 128 > Project Final > <> footer.html > head
1 <head>
2   <link rel="stylesheet" href="HeaderFooter.css">
3 </head>
4
5 <body>
6   <footer>
7     <nav>
8       <ul class="footer-navigation">
9         <li><a href="AboutUs.html" target="_parent">About Us</a></li>
10        <li><a href="ContactUs.html" target="_parent">Contact Us</a></li>
11      </ul>
12    </nav>
13    <div class="social-icons">
14      <a href="https://facebook.com" class="social-icon"></a>
15      <a href="https://instagram.com" class="social-icon"></a>
16      <a href="https://twitter.com" class="social-icon"></a>
17    </div>
18    <p class="copyright">&copy; 2023 Pet Services. All rights reserved.</p>
19  </footer>
20 </body>
```

Figure 2- File for footer

In this specific code we have made use of two HTML files for header and footer as objects respectively to keep re-using the same code in different files and at the same time keeping our website consistent throughout.

Ln 15, Col 1 (64 selected) Spaces: 4 UTF-8 CRLF HTML Port: 5500

Figure 3- Linked header file

5 16 Live Share In 220, Col 67 (62 selected) Spaces: 4 UTF-8 CRLF HTML Port: 5500

Figure 4- Linked footer file

Part 2:

```

<form onsubmit="return validateForm()">
20 <fieldset>
21 <legend>First Name</legend>
22 <input type="text" id="firstname" pattern="^[A-Za-z]{1,}$" size="10" required>
23 </fieldset>
24 <fieldset>
25 <legend>Last Name</legend>
26 <input type="text" pattern="^[A-Za-z]{1,}$" size="10">
27 </fieldset>
28 <fieldset>
29 <legend>Date of Birth</legend>
30 <input type="date" required>
31 </fieldset>
32 <fieldset>
33 <legend>Gender</legend>
34 <input type="radio" name="gender"> Male
35 <input type="radio" name="gender"> Female
36 </fieldset>
37 <fieldset>
38 <legend>Phone Number</legend>
39 <input type="text" value="+971" readonly>
40 <input type="text" pattern="^(0?)5(0|2|4|5|6|8)[0-9]{7}$" placeholder="55 555 5555" required>
41 </fieldset>
42 <fieldset>
43 <legend>Email</legend>
44 <input type="email" placeholder="someone@something.com">
45 </fieldset>
46 <fieldset>
47 <legend>Password</legend>
48 <input type="password" placeholder="Password">
49 </fieldset>
50 <br>
51 <input type="submit" id="submit" value="Create Account">
52 </form>

```

Figure 5- Form validation

- In this file we have included field text to create a border around the specific input box.
- In addition, we have also made use of legend that allows the text to be entered within the field text box.
- Moreover, the First Name row is made mandatory and can have a pattern of text starting from either uppercase or lowercase alphabets from A-Z with a minimum of single character and up to max character repetitions.
- The conditions for phone number includes but is not limited to read-only for +971 country code and can allow number pattern that starts from an optional 0 following with the number 5 and values of either 0,2,4,5,6,8, followed by any 7 digits.
- Additionally, placeholders are also added to give round edges to the input area.

CSS

We have highlighted and explained the important codes from our CSS files:

Part 1:

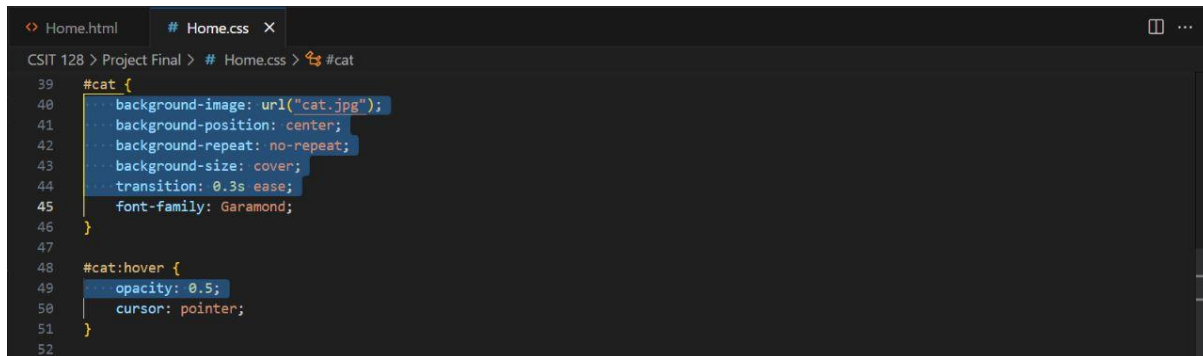


Figure 6- Home page images

In the following CSS file, we have made use of an image on our home page for different animals along with providing special attributes.

- The background position tag makes sure that the chosen image remains in the centre alignment throughout.
- The background repeat tag makes sure that the picture doesn't repeat along the width of the page.
- The background size tag uses the cover option makes sure that the width of the entire section is covered by the picture.
- The background transition allows the mouse to hover over and make the selected part's opacity decrease by 0.5 points in the span of 0.3 seconds.

Part 2:

```
# SignUp.css X
CSIT 128 > Project Final > # SignUp.css > .form input[type="text"]
1  ✓ fieldset {
2    border-radius: 10px;
3  }
4
5  ✓ fieldset legend {
6    color: ■ slategrey;
7  }
8
9  ✓ .form {
10   width: 300px;
11   margin: 0 auto;
12   padding: 20px;
13 }
14
15 .form input[type="text"],
16 .form input[type="email"],
17 ✓ .form input[type="password"] {
18   width: 100%;
19   padding: 10px;
20   margin-bottom: 10px;
21 }
22
23 ✓ .form input[type="submit"] {
24   width: 100%;
25   padding: 10px;
26   background-color: ■ forestgreen;
27   color: ■ white;
28   border: none;
29   cursor: pointer;
30   border-radius: 20px;
31 }
```

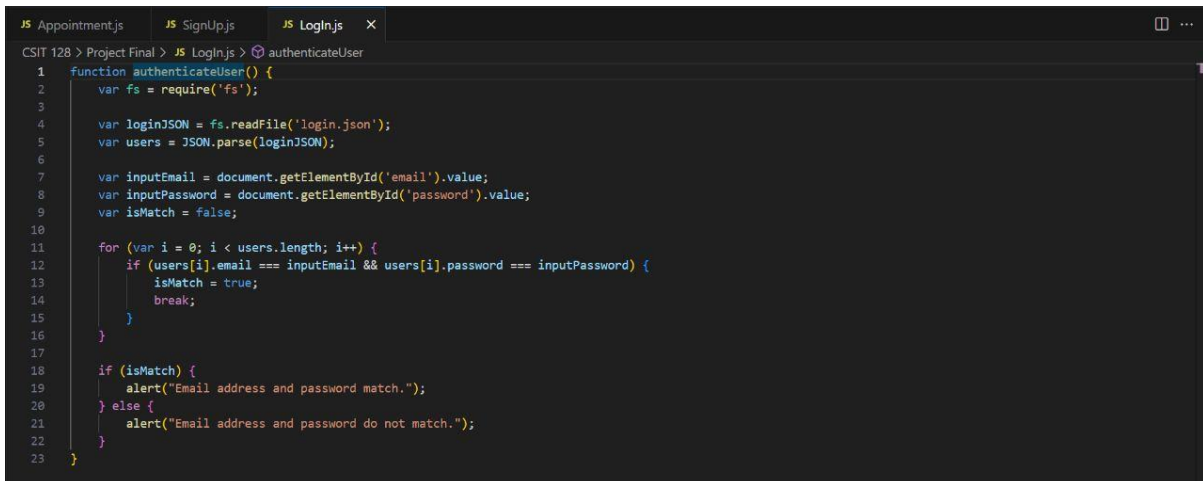
Figure 7- Signup page

In this file we have linked the HTML file and targeted the first name, last name, email, phone-number, password and submit to have the input field as rounded edges with 20 pixels.

JavaScript

We have highlighted and explained the important codes from our JavaScript files:

Part 1: Log In



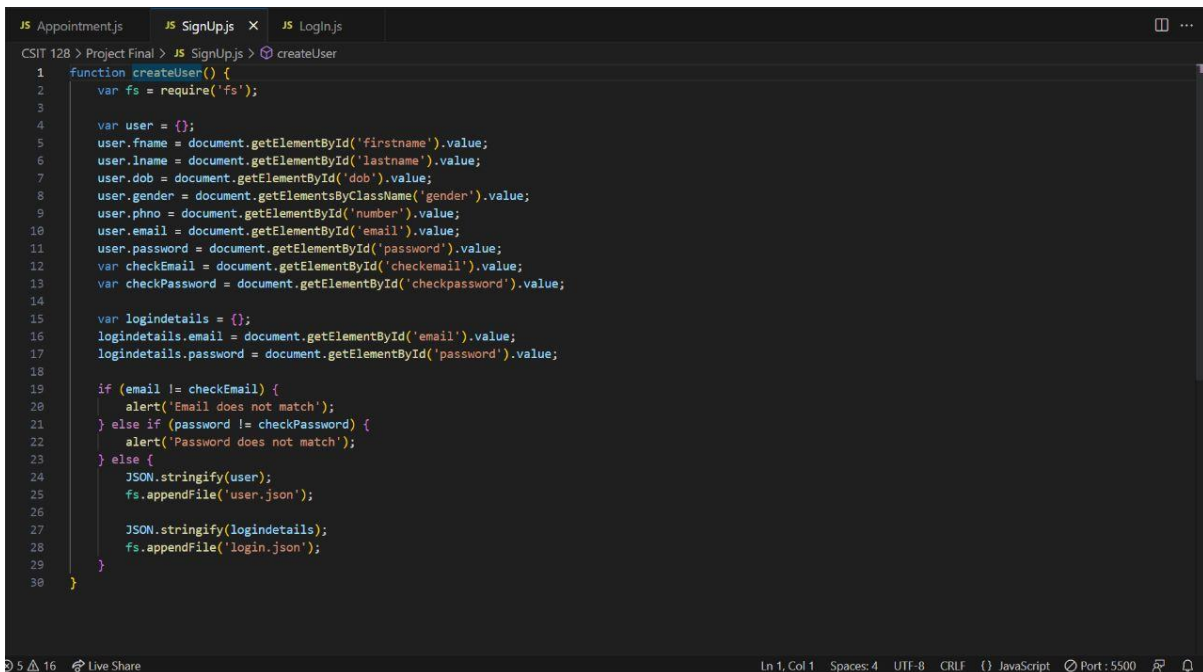
```
1 function authenticateUser() {
2   var fs = require('fs');
3
4   var loginJSON = fs.readFile('login.json');
5   var users = JSON.parse(loginJSON);
6
7   var inputEmail = document.getElementById('email').value;
8   var inputPassword = document.getElementById('password').value;
9   var isMatch = false;
10
11   for (var i = 0; i < users.length; i++) {
12     if (users[i].email === inputEmail && users[i].password === inputPassword) {
13       isMatch = true;
14       break;
15     }
16   }
17
18   if (isMatch) {
19     alert("Email address and password match.");
20   } else {
21     alert("Email address and password do not match.");
22   }
23 }
```

Figure 8- Login JavaScript

We read the JSON file 'login.json', and convert from JSON to JavaScript and store the object in variable users. We then get the input values (email and password) from HTML and compare it with users.

- If both the email and password match, we display an alert saying the same.
- if both don't match, we display an alert saying the same.

Part 2: Sign-Up



```
1 function createUser() {
2   var fs = require('fs');
3
4   var user = {};
5   user.fname = document.getElementById('firstname').value;
6   user.lname = document.getElementById('lastname').value;
7   user.dob = document.getElementById('dob').value;
8   user.gender = document.getElementsByClassName('gender').value;
9   user.phno = document.getElementById('number').value;
10  user.email = document.getElementById('email').value;
11  user.password = document.getElementById('password').value;
12  var checkEmail = document.getElementById('checkemail').value;
13  var checkPassword = document.getElementById('checkpassword').value;
14
15  var logindetails = {};
16  logindetails.email = document.getElementById('email').value;
17  logindetails.password = document.getElementById('password').value;
18
19  if (email != checkEmail) {
20    alert('Email does not match');
21  } else if (password != checkPassword) {
22    alert('Password does not match');
23  } else {
24    JSON.stringify(user);
25    fs.appendFile('user.json');
26
27    JSON.stringify(logindetails);
28    fs.appendFile('login.json');
29  }
30 }
```

Figure 9- SignUp JavaScript



Two empty arrays are created, one for user variable and the other for logindetails variable, stored values are received from html.

- We then compare email and checkEmail, if both variables don't match, we display an alert saying the same.
- Other than that, we also compare password and checkPassword, if both don't match, we display an alert saying the same.
- Or else, we convert the arrays to JSON objects and append it to their respective files.

Part 3: Appointments

```
JS Appointment.js X JS SignUp.js JS Login.js
CSIT 12B > Project Final > JS Appointment.js > catAppointment
1 function catAppointment() {
2   var fs = require('fs');
3   var cat = {};
4
5   cat.name = document.getElementById('name').value;
6   cat.email = document.getElementById('email').value;
7   cat.phone = document.getElementById('phone').value;
8   cat.address = document.getElementById('address').value;
9   cat.city = document.getElementById('city').value;
10  cat.service = document.getElementsByName('service').value;
11  cat.date = document.getElementById('date').value;
12  cat.time = document.getElementById('time').value;
13  cat.message = document.getElementById('message').value;
14
15  JSON.stringify(catJSON);
16  fs.appendFile('Appointment.json');
17 }
```

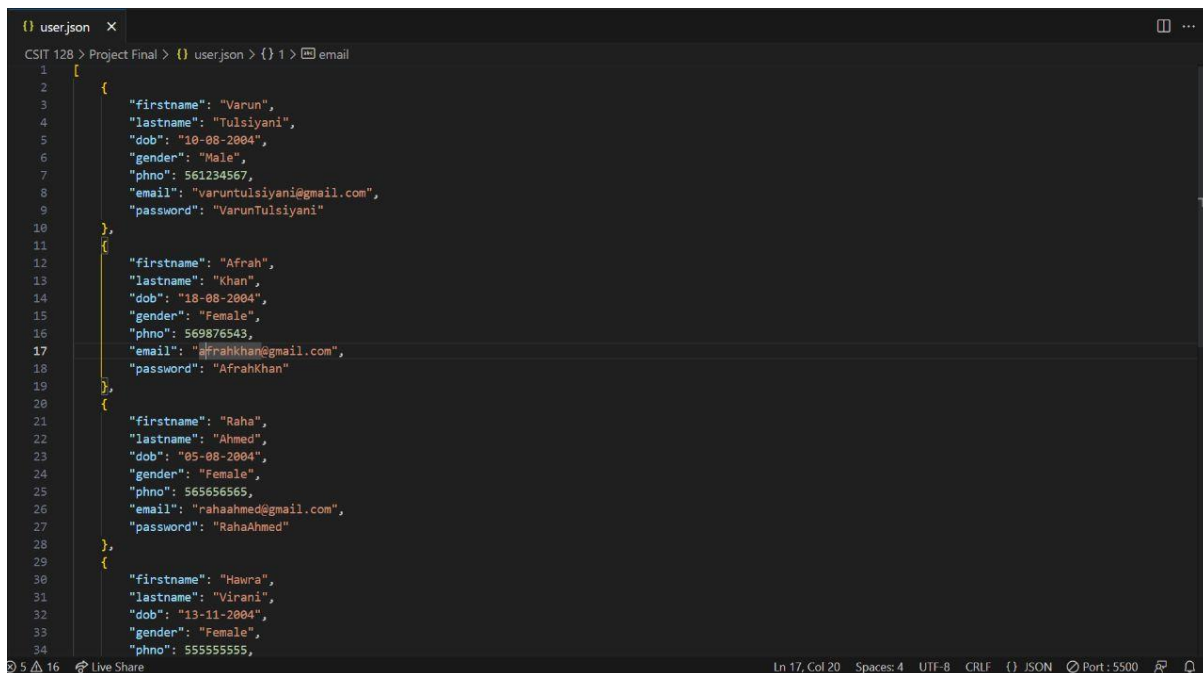
Figure 10- Appointment JavaScript

We have 5 functions for 5 animals, each function creates an empty array, gets values from HTML, stores them in the array, converts the array to JSON objects and appends it to appointment.json file.

JSON

We have highlighted and explained the important codes from our JSON files:

Part 1:



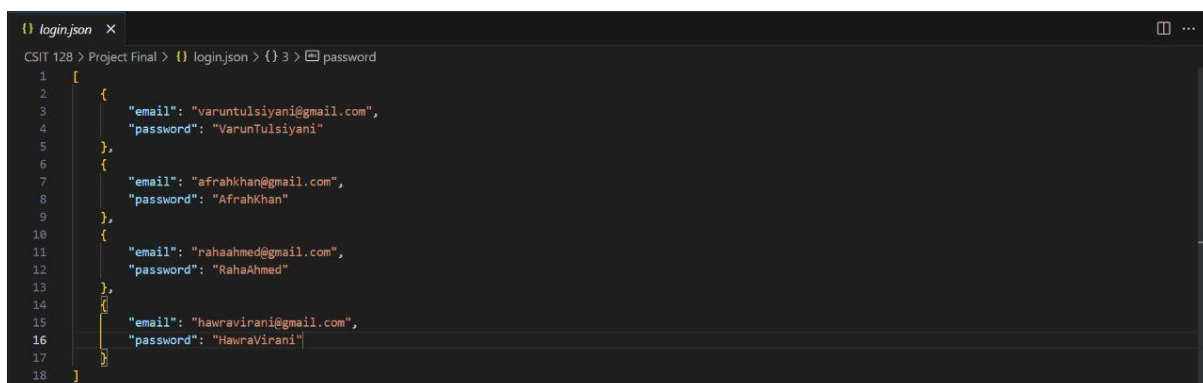
```
{
  "email": "user.json",
  "password": "user.json"
}
```

The screenshot shows a VS Code editor window titled 'user.json'. The file content is a JSON array of four user objects. The first object is for 'VarunTulsiyani', the second for 'AfraKhan', the third for 'RahaAhmed', and the fourth for 'HawraVirani'. Each object contains fields for 'firstname', 'lastname', 'dob', 'gender', 'phno', 'email', and 'password'. The code is syntax-highlighted, and the file explorer on the left shows the file is open.

Figure 11- SignUp JSON

To make our website functional we have decided to hardcode the user information so that upon sign-up, the system will have data to refer to and grant access to the new member.

Part 2:



```
{
  "email": "login.json",
  "password": "login.json"
}
```

The screenshot shows a VS Code editor window titled 'login.json'. The file content is a JSON array of four login objects. Each object contains fields for 'email' and 'password'. The emails are 'VarunTulsiyani@gmail.com', 'afrahkhan@gmail.com', 'rahaahmed@gmail.com', and 'hawravirani@gmail.com'. The passwords are 'VarunTulsiyani', 'AfraKhan', 'RahaAhmed', and 'HawraVirani'. The code is syntax-highlighted, and the file explorer on the left shows the file is open.

Figure 12- Login JSON

Additionally, we have decided to hardcode the user information so that upon login, the system will have pre-existing data to allow the existing member to login in our website.