

## Doggy-Site Server README

This website connects between doggy sitters and dog owners to book sittings and lets them manage their profiles and sitting history.

The website is built using HTML, CSS, and JavaScript.

This readme provides an overview of the Doggy-Site server setup and provides instructions for running and maintaining the server.

### Server Requirements

Before setting up the Doggy-Site server, ensure that your system meets the following requirements:

Node.js

MongoDB

NPM (Node Package Manager)

our JavaScript code sets up an Express.js server for the Doggy-Site application. It includes the necessary middleware and route configurations. Here's a breakdown of what

the code does:

Imports required modules and libraries, including express, path, body-parser, multer, and others.

Configures middleware such as body-parser and cookie-parser for parsing JSON and URL-encoded data.

Sets the views directory and the view engine as EJS for rendering HTML templates.

Serves static files from the public directory.

Defines route handlers for various HTML pages using the res.render method to render the corresponding HTML templates.

Defines API endpoints for login and database operations, such as creating and dropping tables.

Starts the server on the specified port (8080) and logs a message to the console.

Note: The code provided assumes the existence of additional modules (./DB/db, ./DB/create\_db, and ./DB/CRUD) that handle database operations and may not be included in the provided code snippet.

Please ensure that the required dependencies are installed and the appropriate database configurations are set before running this code.

### 1. User Registration:

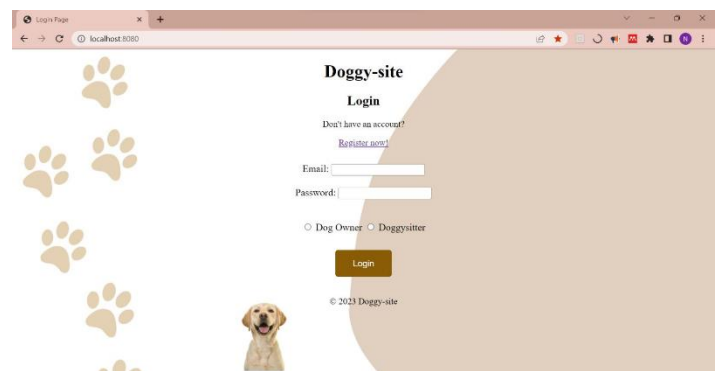
- Users can visit the website and register for an account.
- Provide a registration form where users can enter their details, such as name, email, and password.
- Validate and store the user information in the database.



The screenshot shows a web browser window with the URL 'localhost:5050/register'. The page has a light beige background with a large, faint paw print graphic on the right. The title 'Registration' is centered at the top. Below the title are two buttons: 'I have a dog!' and 'I am a doggyitter!'. The registration form includes fields for 'Full name', 'Phone number', 'Password', 'Address', and 'Email'. Below these is a 'Dog Details' section with a table for 'Name', 'Age', 'Size', 'Notes', and 'Picture'. The table has a 'Choose File' button and a 'No file chosen' status. A 'Submit' button is at the bottom left of the form.

### 2. User Login:

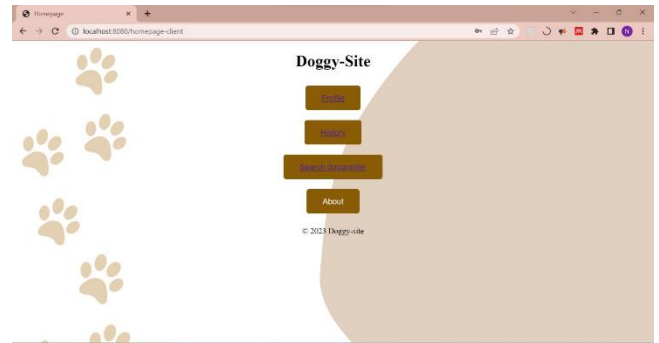
- Users can log in to their accounts using their registered email and password.
- Implement an authentication mechanism to verify user credentials.
- Upon successful login, redirect users to their personalized dashboard.



The screenshot shows a web browser window with the URL 'localhost:5050'. The page has a light beige background with a large, faint paw print graphic on the right. The title 'Doggy-site' is centered at the top, followed by 'Login'. Below the title is a link 'Don't have an account? Register now!'. The login form includes fields for 'Email' and 'Password'. Below these are radio buttons for 'Dog Owner' and 'Doggyitter'. A 'Login' button is at the bottom right of the form. A small image of a dog is visible at the bottom left of the page.

### 3. User Roles:

- Distinguish between dog owners and dog sitters.
- Assign appropriate roles and permissions to each user type.
- Customize the user experience based on their role.



### 4. Profile Creation:

- Allow users to create and manage their profiles.
- Dog owners can provide information about their dogs, such as breed, age, and preferences.
- Dog sitters can showcase their experience, qualifications, and availability.

### 5. Search and Match:

- Implement a search functionality for dog owners to find suitable dog sitters.
- Enable filters based on location, availability, and other criteria.
- Match dog owners with dog sitters based on compatibility and preferences.

### 6. Booking and Scheduling:

- Facilitate the booking process between dog owners and dog sitters.
- Allow dog owners to request specific time frames and services.
- Enable dog sitters to accept or decline bookings based on their availability.

### 7. Reviews and Ratings:

- Allow users to rate and review dog sitters based on their experiences.
- Enable dog owners to provide feedback and share their satisfaction level.
- Display reviews and ratings on dog sitter profiles to help users make informed decisions.