

ABOUT THE PROJECT

Right now, there is an animal adoption crisis.

According to ASPCA, over **6.5 million** animals enter U.S. shelters nationwide every year. Sadly, **1.5 million** end up being euthanized due to health issues, space and resources constraints.

Even now, when isolation from coronavirus has led so many people to want to adopt a new pet, artificial barriers- such as potential adopters not wanting to visit shelters, can make the adoption process unnecessarily difficult.

On top of that, trying to find the perfect pet can be an exhausting and lengthy process, even in the best conditions.

Our passionate team of developers- all pet rescuers- aims to help solve these problems by improving the modern adoption process.

**PetMatch.com is our responsive website designed to connect future pet parents with their perfect shelter pet. We aim to create happy, loving forever homes for pets and owners alike!**

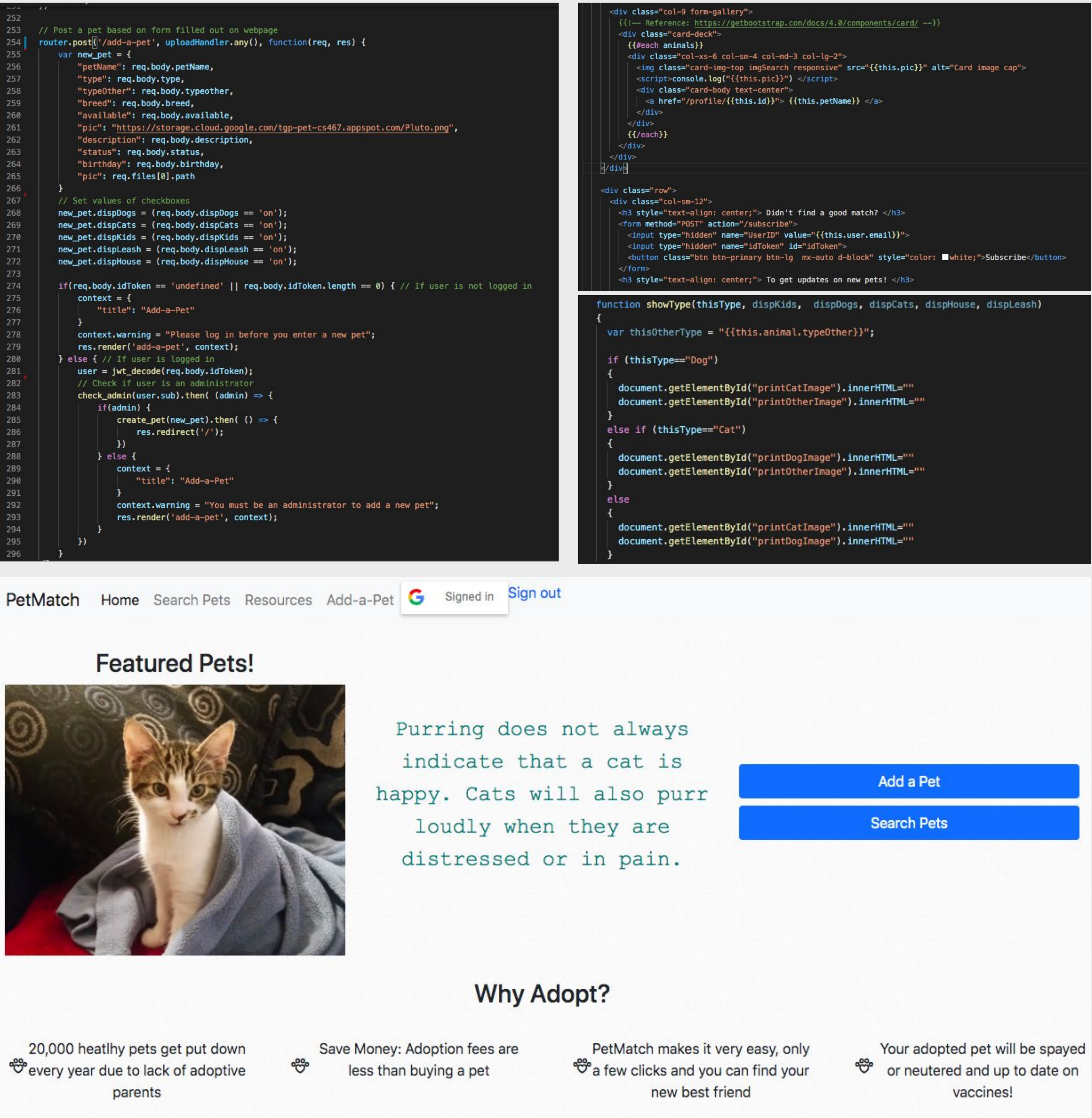
Potential pet parents can use our site's highly customizable search engine to find the "profile" of their perfect pet. Then, they can apply to adopt right from their computer, without even needing to leave home.

By lowering the barriers to adoption, and empowering potential pet parents to find the perfect new friend, we hope to help **every** pet find a loving forever home.



PET ADOPTION APP

Visit us at: <https://tgp-pet-cs467.uc.r.appspot.com/>



KEY HIGHLIGHTS AND FUNCTIONALITY

- Responsive website with intuitive navigation built with the user in mind.
- Landing page that connects with two external apis to have a random "fun facts" and to display pet pictures in a carousel
- Search page where users can look for pets based on different attributes including pet type, breed, and disposition.
- Visually appealing and highly informative pet "profiles" that convey all of the most important information about a pet using colorful visuals.
- Users can easily submit applications to adopt pets with an easy-to-use form connected directly to the database.
- Users can subscribe to a mailing list to receive an email when a new pet profile is created.
- Admins can easily add new pets directly into the database with an easy to use form
- Use of Google Auth Library for creation of user profiles to manage different user vs admin flow.
- Animals that are pending adoption are taken out of the search and added to a holding status.

TEAM MEMBERS

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TOOLS, LANGUAGES AND TECHNOLOGIES

**HTML & JavaScript** - Baseline for the code development.

**Bootstrap** - To define the layout for the pages to ensure responsiveness and consistency in design.

**Node.JS** - Node.JS runtime environment plus JS for the server backend.

**Handlebars-Express** - To dynamically handle information on each of the web pages.

**Google Cloud Datastore** - To host the dynamic information necessary to manage the site.

**Google Cloud Storage & Multer-Google-storage** - To upload and display images of the pets.

**Google Auth library-** To allow a secure login to the site, and avoid the need for a separate, secure storage of passwords or custom user management.

**Express-JWT & JWT-Decode** - To parse the JSON Web Token (JWT) stored on the client's browser after a successful login.

**GitHub** - For version control

**Node-MailJet** - For email functionality, like subscribing to campaign when a new pet is added to the database.

