

DogeChat

Softdev - Pd 8 - GodDogs

Jonathan Quang

Adrian Boylan

Daniel Chernovolenko

Kyle Lin

Description

GodDogs is proud to present DogeChat - the leading application for interaction between the various ~~doges~~ people of the world. Long gone are the times of terrible privacy breaches from Messenger, the horrible community on Instagram, the useless stories of Snapchat. Welcome to the age of DogeChat.

As a user, you'll be able to utilize all of your favorite messaging applications including photos, filters, messages, emojis, and more. Included is a revolutionary new security system built using a very secure hashing function put into an sqlite3 database which is very securely stored in the root directory. Using the very useful functions within AJAX to pull and push messages to the databases and served using flask, the backend is no slacker either. The 5th version of the HyperText Markup Language will be crucial in allowing the user to take their photos, customize it, and send it to other users.

Rest assured, all of your profiling needs will also be fulfilled. You shall, by GodDog decree, be able to change your profile picture, password, designated email address, and of course, the selective friends you have on your friends list. All your favorite profile features will be easily accessible and available for customization.

If you hate the glaring whiteness of most web-pages like us doges in the master race, enable the night theme to deliver a soothing viewing experience and to embrace your inner dark-loving tendencies! Convert to the master race today to save your eyes and to help you sleep at night - something we all need!

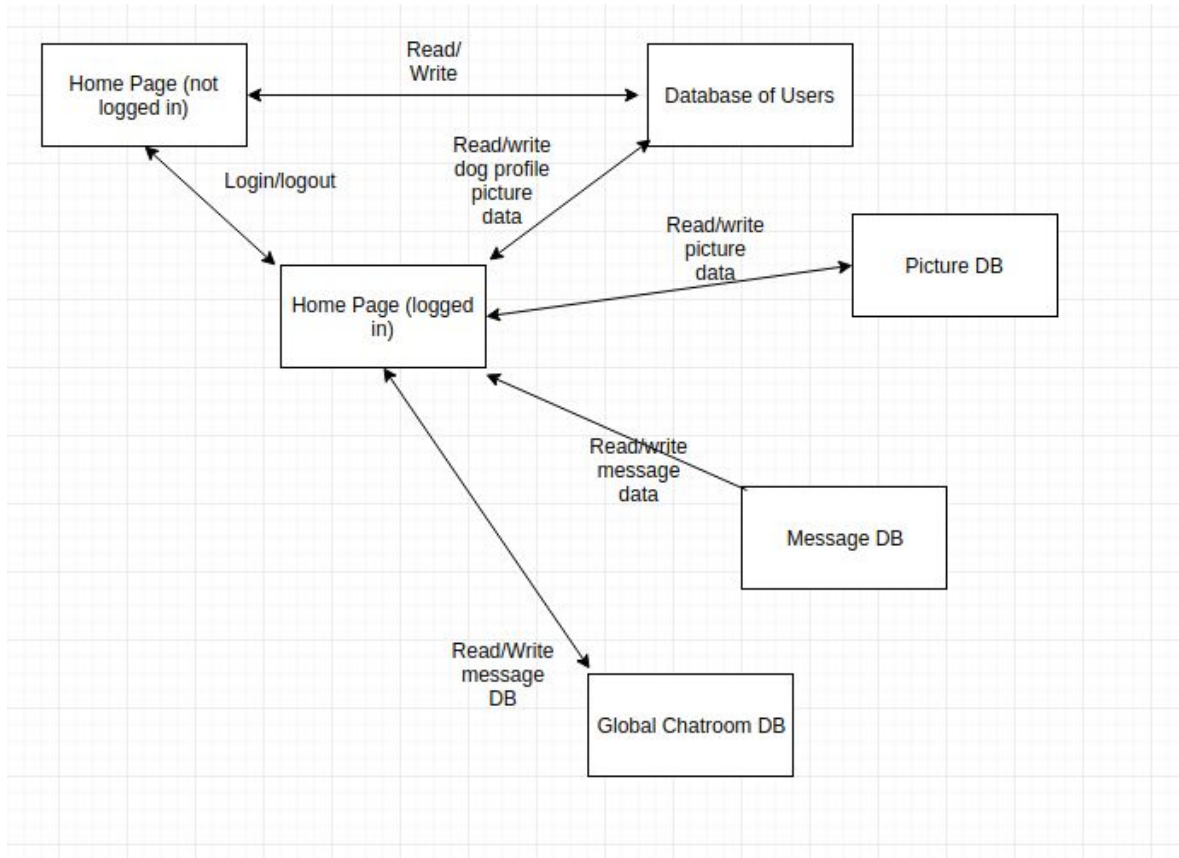
APIs

If you're not a creative person, or you just don't have a photogenic face like a certain individual, rest assured. You'll be able to select a random doge from the Dog API to meet all of your profile picture needs!

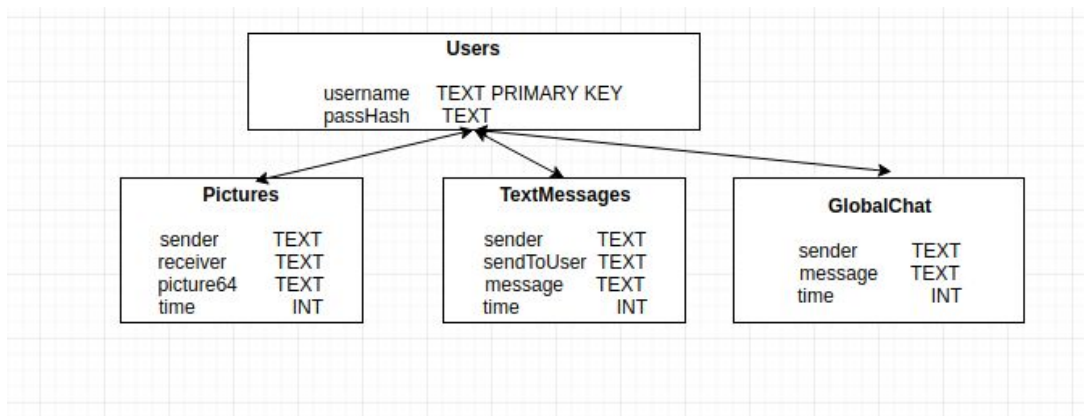
List of Program Components

- Database of accounts
 - Username, hashed password, profile picture
- Database of pictures
 - Sending username, receiving username, picture stored as a base64 string, time of delivery
- Database of messages
 - Sending username, receiving username, text message, time of delivery
 - Clears a message 24 hours after its sent
- Profile page
 - Users can add friends
 - Change profile picture (roll for random dog picture)
 - DOG API
 - <https://dog.ceo/dog-api/>
- Home page (If logged in)
 - Users can take/upload pictures, view other people's stories and pictures
 - Users can also send messages
 - Logout Button
- Home page (If not logged in)
 - Landing page with fancy-schmancy graphicy gimmicky flashy stuff
 - Carousel of images maybe
 - Hover animations for buttons
 - Transitioning text like on the DOE website
 - Login/register div
 - Username and password stored in database
 - Login and register forms
- Taking pictures
 - Uses Javascript and HTML to access the camera
 - Taking the picture gives you the option of saving or customizing
 - Saving saves as a base64 string
 - Customize by adding filters + stickers
- Open chat room for all logged in users + global chat room DB
 - Everyone can see your messages
 - Flame to your heart's content
 - Warranty is void if you do this

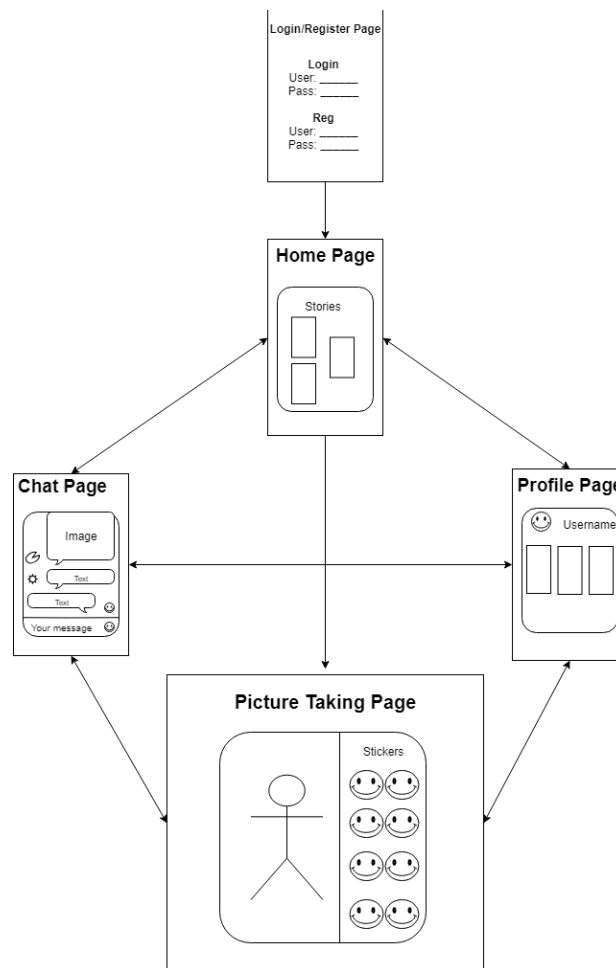
Site map



Database Schema (exact names subject to change)



Sitemap for Front-end



Breakdown of Tasks

Jonathan:

Project Manager - bug fixer - makes filters for photos

Kyle:

Python and database manager, makes stickers for photos

Adrian:

Javascript transitions and sending picture data

Daniel:

Picture data compression and make the website look aEsThETic