



Republic of the Philippines
Bicol University
Polangui Campus
Polangui, Albay
www.bupolangui.com

LABORATORY REPORT

Week 14: Phase 4 & 5 of Group Final Project

Pawfect Match

A Pet Matchmaking System

SUBMITTED BY:

ROLES & MEMBERS:

Project & GitHub Manager	- Adille, Charlene Mae T.
Front-End Developer	- Relos, Enrick G.
Back-End Developer	- Aguilar, Jhon Kenneth S.
Database Manager	- Romano, Juno Alligah B.
Documentation Officer	- Balunsay, Hazel Marie I.

BS INFORMATION TECHNOLOGY 2B

SUBMITTED TO:

Dr. Guillermo V. Red, Jr.
Assistant Professor IV
Computer Studies Department

May 17, 2025



I. PHASE 4: Form Submission and Data Insertion

A. Screenshot of the HTML Form Interface\

Pawfect Match Home Browse Pets About Us Login

Welcome!

Login/Register to Pawfect Match

Find your perfect match or a new best friend!

Register

Full Name
USER 1

Email address
user1@gmail.com

Password

Confirm Password

Register

This screenshot shows the HTML form that collects user input to be sent to the backend using JavaScript and stored in MongoDB.

B. Screenshot of JS code used for API Connection

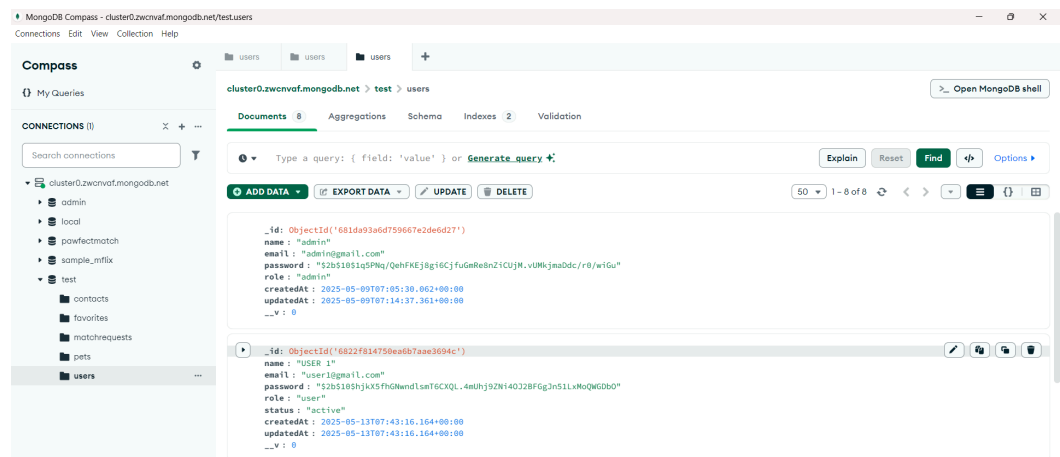
```
1 const express = require('express');
2 const router = express.Router();
3 const userController = require('../controllers/userController');
4 const { protect, authorize } = require('../middleware/auth');
5
6 // Public routes
7 router.post('/', userController.createUser);
8 router.get('/email/:email', userController.getUserByEmail);
9
10 // Protected routes
11 router.get('/', protect, authorize('admin'), userController.getUsers);
12 router.get('/:id', protect, authorize('admin'), userController.getUser);
13 router.put('/:id', protect, authorize('admin'), userController.updateUser);
14 router.delete('/:id', protect, authorize('admin'), userController.deleteUser);
15
16 module.exports = router;
```

This screenshot displays the JavaScript code that defines the API endpoints for user-related operations. It routes incoming HTTP



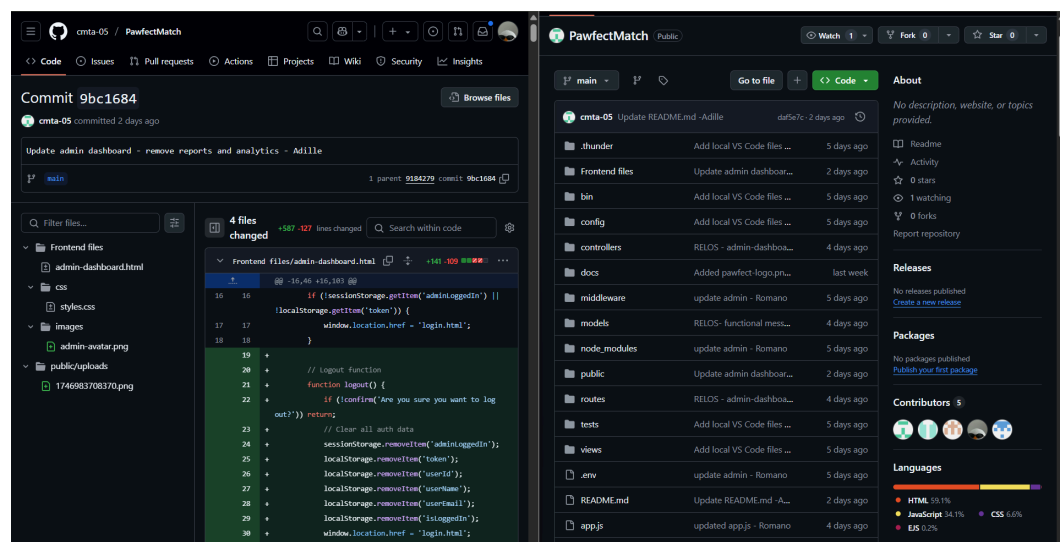
requests (like user creation and login) to the appropriate controller functions, which handle database interactions with MongoDB.

C. Screenshot of MongoDB document inserted



This screenshot confirms the successful insertion of data into the MongoDB database. It shows the document structure and values stored based on the form submission.

D. Screenshot of GitHub commits (frontend and backend)





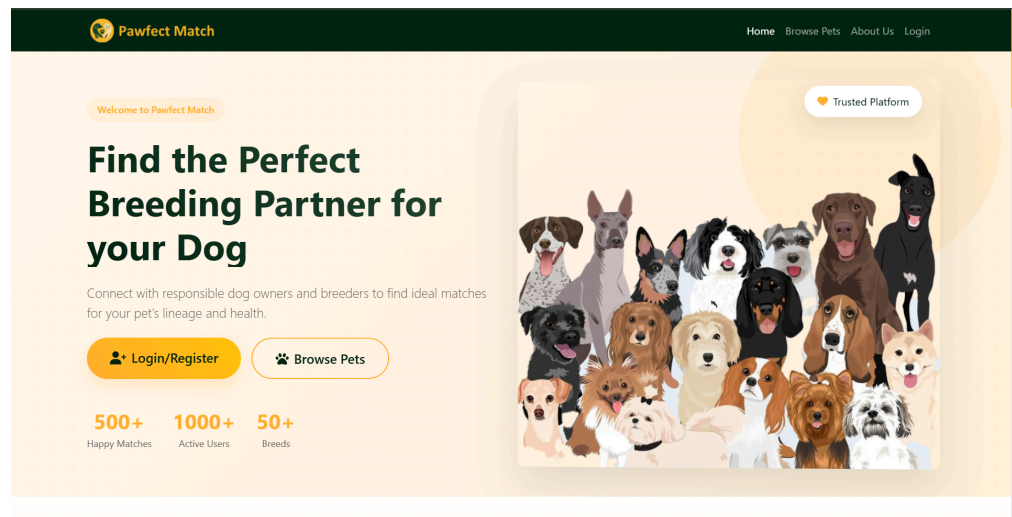
E. GitHub link to the updated repository

<https://github.com/cmta-05/PawfectMatch>

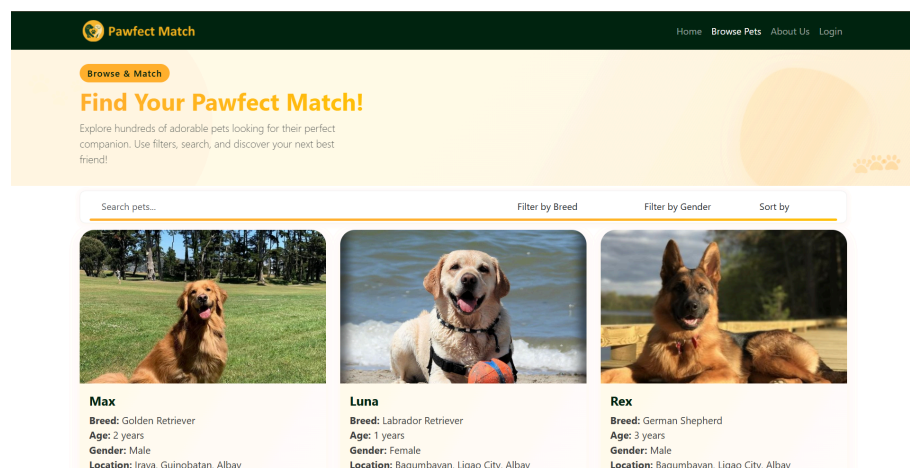
II. PHASE 5: Data Retrieval and Display

A. Screenshot of at least 2 display pages

1. This screenshot shows the Home page from the guest user point of view.

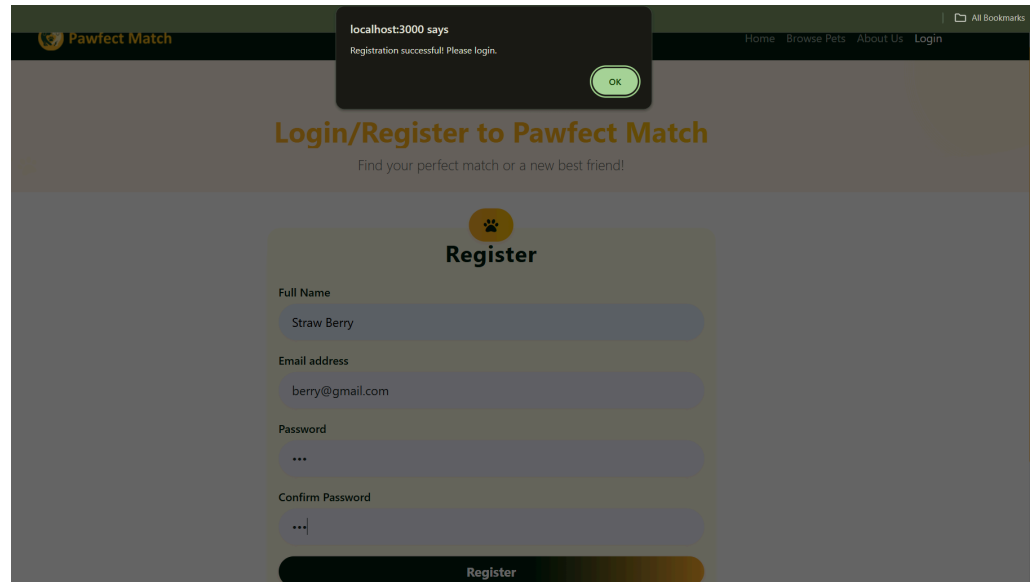


2. This screenshot shows the Browse Pets page from the guest user point of view.



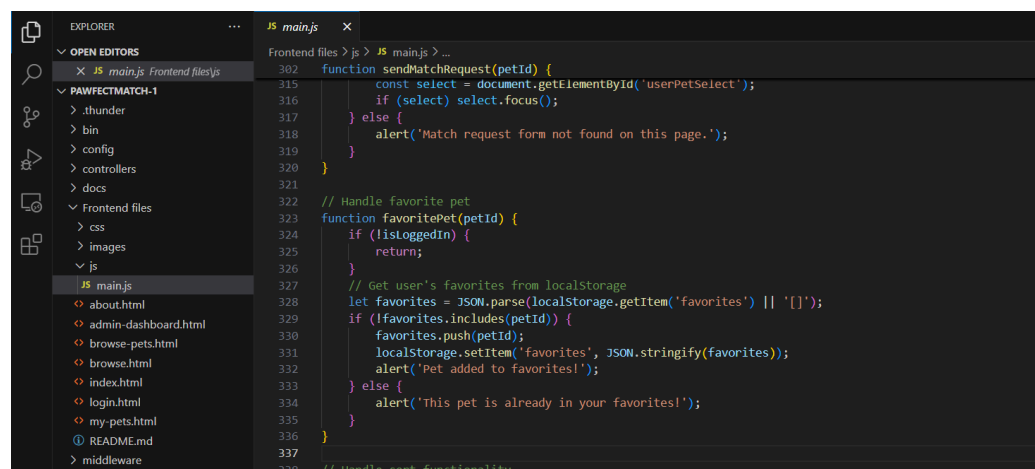


B. Sample backend API response (console or Postman screenshot)



This screenshot shows the frontend registration form for the Pawfect Match website. After submitting the form, a success message appears confirming that the user has been registered and the data has been sent to the backend API for processing.

C. Annotated JavaScript snippet used for rendering data





Republic of the Philippines
Bicol University
Polangui Campus
Polangui, Albay
www.bupolangui.com

D. GitHub URL and Commit logs

<https://github.com/cmta-05/PawfectMatch>

The screenshot shows the GitHub repository page for "PawfectMatch" by user "cmta-05". The repository is public and has 17 commits. The left sidebar shows a file tree with folders like .thunder, Frontend files, bin, config, controllers, docs, middleware, models, node_modules, public, routes, tests, views, and .env. The main area displays a list of commits, each with a commit message, the author, and the time since the commit. The right sidebar contains sections for "About", "Releases", "Packages", "Contributors", and "Languages". The "Languages" section shows a bar chart with HTML at 55.1% and JavaScript at 44.9%.