



Inspiring Excellence

**CSE370 : Database Systems**  
**Project Report**  
**Project Title : Project Title Here**

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## Introduction

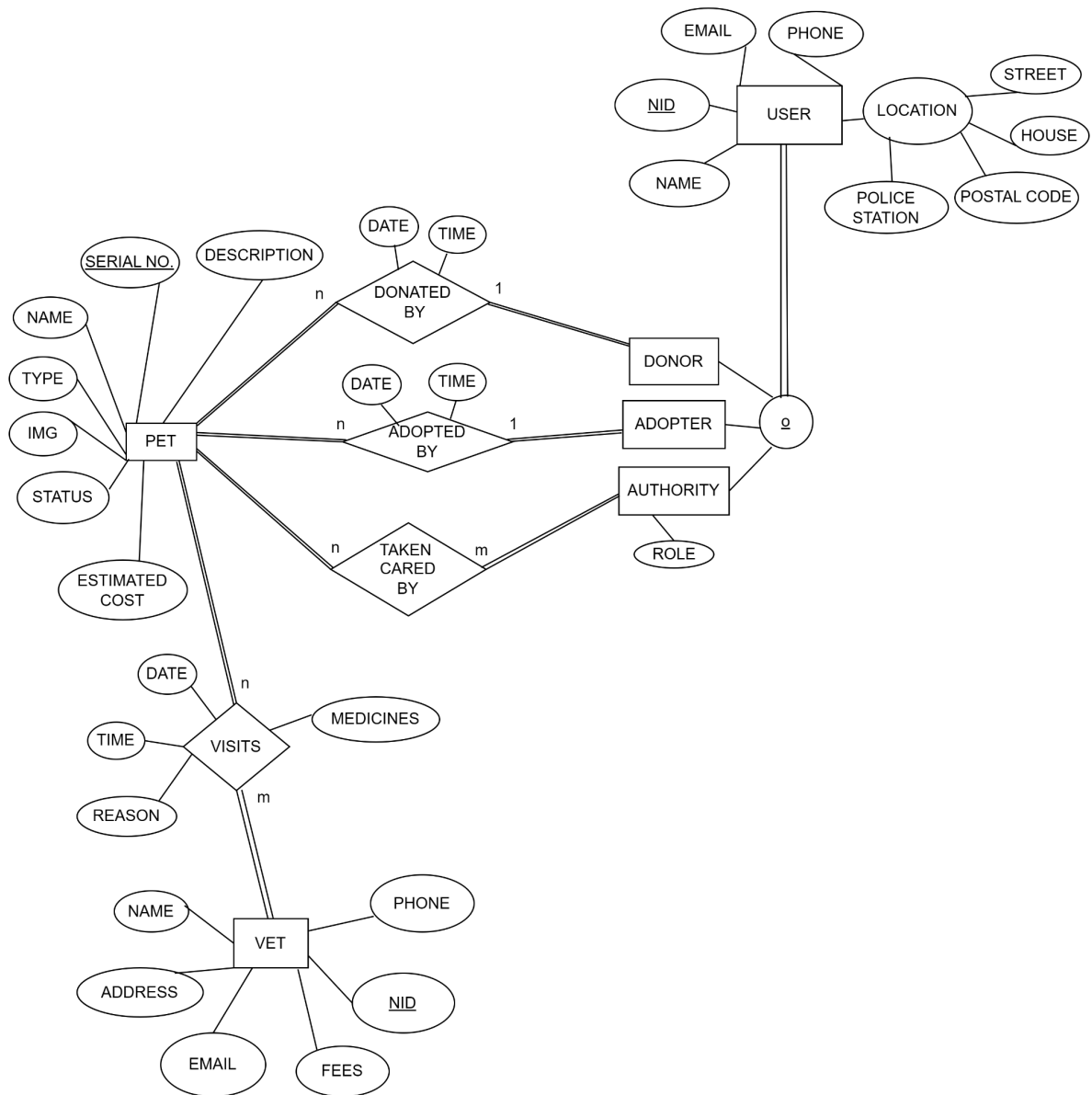
### Welcome to BRACU Shelter – A Caring Home for Every Pet!

BRACU Shelter is a comprehensive platform for managing pet donations, adoptions, and medical information. The system is designed to ensure that pets find loving homes, are well-cared for, and have their medical needs accurately recorded. This network connects donors, adopters, and animal shelter administrators, making it easier to donate, adopt, and track pets.

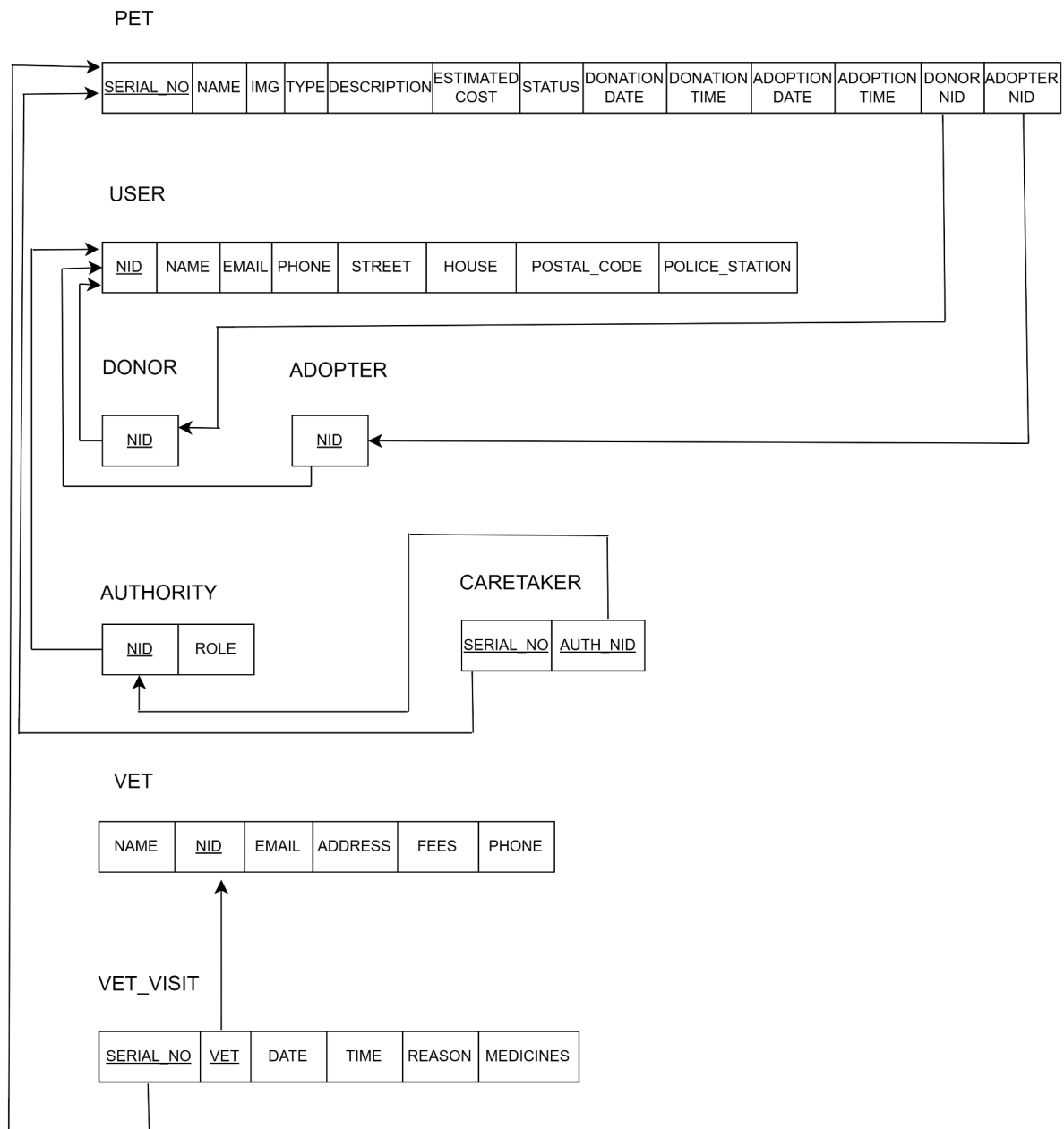
## Project Features

- **Pet Details Page:** Detailed information about each pet is displayed, including their name, type, description, health records, donation/adoption history, and current status. Pet photographs are uploaded and displayed to provide a more personalized experience.
- **Health Records:** The name of the veterinarian, the medications that were prescribed, and the date and reasons of the visit are recorded for each pet's visit to the veterinarian. By tracking pets' health, the system makes sure they get the treatment they need.
- **Pet Donation Management:** Donors can easily give more than one pet by entering information such as the pet's name, type, and description. Donors' NID is tracked to maintain accurate ownership records. Pets are classified according to their status (available or adopted). The application collects adoption dates and times to give detailed information.
- **Pet Adoption Management:** Users can submit adoption requests for pets. Each pet's status is tracked as available for adoption or already adopted. Adopters' NIDs are linked to the pets they adopt, allowing the system to handle multiple adoptions by the same adopter. The application collects adoption dates and times to give detailed information.
- **Admin Management View:** Pet records can be added, updated, or removed at any time by administrators. In addition to managing pet status and keeping an eye on adoption and donation information, administrators can view a list of adopted pets and their adopters.
- **Data Security:** NIDs and other sensitive user data are safeguarded for security and privacy.

## ER/EER Diagram



## Schema Diagram



## Frontend Development

Briefly discuss about Frontend Development and add relevant Screenshots (if required) by mentioning Individual Contributions

The front-end of BRACU\_Shelter is built to provide an engaging, interactive, and easy-to-navigate user experience. The main front-end technologies used are:

- HTML
- CSS
- JavaScript
- Django Templates

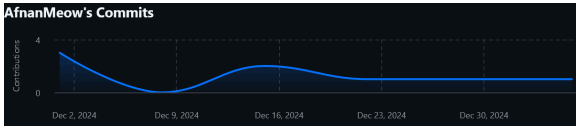
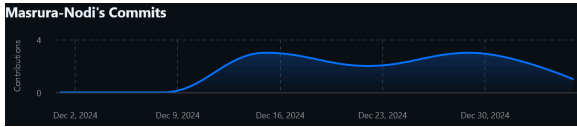
## Backend Development

Briefly discuss about Backend Development and add relevant Screenshots (if required) by mentioning Individual Contributions

The back-end of BRACU\_Shelter is powered by Django, a high-level Python framework that ensures secure, scalable, and maintainable development. The main components are:

- MySQL
- We used MySQL inside the `.raw()` functions of each Models to import the data from the database

Contribution of ID : 22201765, Name : Afnan Satter	Contribution of ID : 22201421, Name : Masrura Nahian Nodi
<a href="#"><u>90% Done, dont really know what i did, dont ask</u></a> XXXXXXXXX	<a href="#"><u>Probably all done</u></a> ????!!!!
<a href="#"><u>Linked pet with adopter via database</u></a> In the Pets show details section, I made the "Adopt Pet" into a button that will perform a SQL query to save the current user's nid into the adoptor column of pets table. Also Using javascript I managed to show some notifications.	<a href="#"><u>Fixed homepage</u></a> You can go to the homepage by clicking on the Home option
<a href="#"><u>Added Show details of each pets</u></a> And fixed the issue where user could see deatils page without signing in	<a href="#"><u>worked on show details</u></a> jdnqwk kqw
<a href="#"><u>Done with raw SQL Search Function and Logout Page</u></a> Same as the summary	<a href="#"><u>Completed the database and worked with type search</u></a> Database is complete. Search is complete.
<a href="#"><u>database</u></a> created a functioning database and carefully linked foreignkeys according to the image u sent	<a href="#"><u>database update</u></a> almost done, only vet_visit is left
<a href="#"><u>database_set</u></a> Changed Models, bgs, added database, added admin apges	<a href="#"><u>worked on database</u></a> dnjksN.DKL,S
	<a href="#"><u>Added a new column</u></a> New column called 'status' was added to the 'pet' table and put that in the search option too.

	<p><u><a href="#">Changed the pictures and words in homepage</a></u> Changes were made in homepage, like added new pictures, made news, etc.</p>
	<p><u><a href="#">Inserted datas into adopter, donor, pet table.</a></u> jwnqjdkxnwsdx skalxkjlcbsJ J</p>
	

## Source Code Repository

Upload source code to GitHub or Google Drive and share a publicly accessible link in this section of the report.

Github Link – > [Here](#)



## **Conclusion**

BRACU Shelter is an all-inclusive platform for pet adoption and donations aimed at simplifying the matching process between pets and caring homes, while also effectively managing all essential health and adoption documentation. By offering a responsive, easy-to-navigate front-end along with a secure and effective back-end, the platform ensures a smooth experience for users, donors, and adopters. By incorporating elements like veterinary visit documentation, tracking for donations/adoptions, and comprehensive pet profiles, BRACU Shelter guarantees that both animals and their new households receive adequate support during the entire process. This platform demonstrates a dedication to fostering a secure, open, and compassionate space for animals requiring assistance.

## References

Templates used:

<https://colorlib.com/wp/template/travello/>

Tables used:

<https://colorlib.com/wp/template/table-06/>