

Coding Challenge
PetPals, The Pet Adoption Platform

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Coding Challenge: PetPals, The Pet Adoption Platform

GITHUB link:

https://github.com/Harish0562/Pet_Pals.git

Database setup completed.

Pet Adoption System

1. Add Pet
2. Remove Pet
3. View Available Pets
4. Make Donation
5. View Donations
6. Adopt Pet
7. Read Pets from File
8. Exit

Enter your choice:

1) Add Pet:

Pet Adoption System

1. Add Pet
2. Remove Pet
3. View Available Pets
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8. Exit

Enter your choice: 1

Enter the pet's name: Alyssa

Enter the pet's age: 2

Enter the pet's breed: Cat

Is it a Dog or Cat? (D/C): C

Enter the cat's color: White

Added pet: Pet(Name: Alyssa, Age: 2, Breed: Cat), CatColor: White

Pet recorded successfully.

2) Remove Pet:

```
Pet Adoption System
1. Add Pet
2. Remove Pet
3. View Available Pets
4. Make Donation
5. View Donations
6. Adopt Pet
7. Read Pets from File
8. Exit
Enter your choice: 2
Enter the name of the pet to remove: Alyssa
Removed pet: Pet(Name: Alyssa, Age: 2, Breed: Cat), CatColor: White
```

3) View Available Pets:

```
Pet Adoption System
1. Add Pet
2. Remove Pet
3. View Available Pets
4. Make Donation
5. View Donations
6. Adopt Pet
7. Read Pets from File
8. Exit
Enter your choice: 3
Available Pets:
Pet(Name: simon, Age: 4, Breed: cat)
Pet(Name: ethan, Age: 5, Breed: dog)
Pet(Name: tobi, Age: 4, Breed: cat)
Pet(Name: jj, Age: 3, Breed: dog)
Pet(Name: Tommy, Age: 4, Breed: Dog)
Pet(Name: Jacky, Age: 5, Breed: Dog)
```

4) Make Donation:

```
Pet Adoption System
```

1. Add Pet
2. Remove Pet
3. View Available Pets
4. Make Donation
5. View Donations
6. Adopt Pet
7. Read Pets from File
8. Exit

```
Enter your choice: 4
```

```
Enter donor's name: Harish
```

```
Enter donation amount: 1000
```

```
Recorded cash donation of $1000.0 by Harish on 2024-10-08
```

```
Donation recorded successfully.
```

5) View Donations:

```
Pet Adoption System
1. Add Pet
2. Remove Pet
3. View Available Pets
4. Make Donation
5. View Donations
6. Adopt Pet
7. Read Pets from File
8. Exit
Enter your choice: 5
Donations:
ID: 1, Donor: harry, Amount: $45.0
ID: 2, Donor: josh, Amount: $56.0
ID: 3, Donor: harry, Amount: $45.0
ID: 4, Donor: tobi, Amount: $23.0
ID: 5, Donor: callux, Amount: $98.0
ID: 6, Donor: harish, Amount: $25.0
ID: 7, Donor: Harish, Amount: $1000.0
```

6) Adopt Pet:

```
Pet Adoption System
1. Add Pet
2. Remove Pet
3. View Available Pets
4. Make Donation
5. View Donations
6. Adopt Pet
7. Read Pets from File
8. Exit
Enter your choice: 6
Enter the name of the pet to adopt: Jacky
Adopted pet: Pet(Name: Jacky, Age: 5, Breed: Dog)
Pet 'Jacky' is successfully adopted.
```

7) Exit:

```
Pet Adoption System
1. Add Pet
2. Remove Pet
3. View Available Pets
4. Make Donation
5. View Donations
6. Adopt Pet
7. Read Pets from File
8. Exit
Enter your choice: 8
Exiting the program.
```