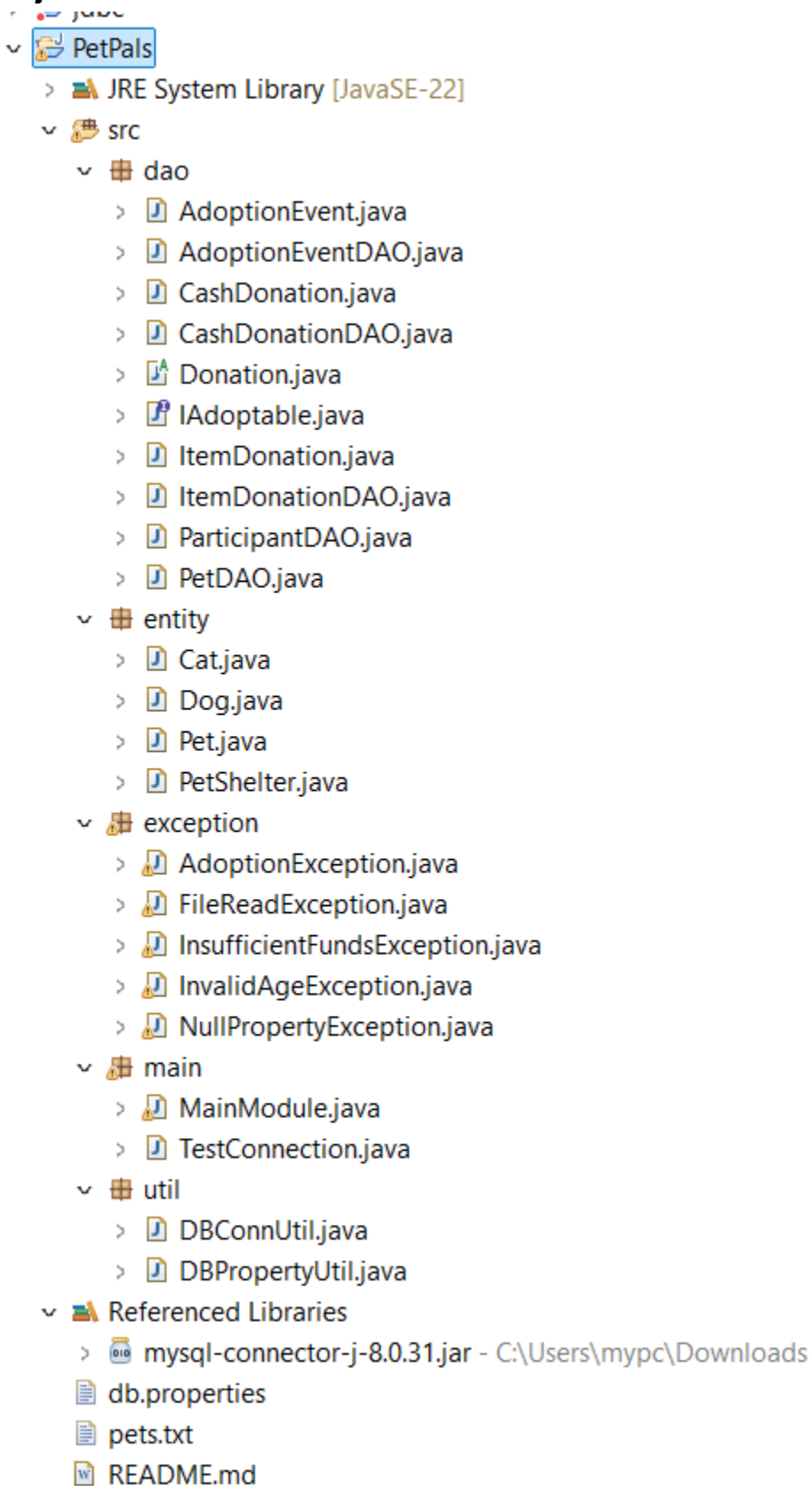


Project Structure



dao package :

IAdoptable.java (Interface):

```
package dao;  
public interface IAdoptable {  
    void adopt() throws Exception;  
}
```

=====

AdoptionEvent.java:

```
package dao;  
import java.util.ArrayList;  
import java.util.List;  
import entity.PetShelter;  
public class AdoptionEvent {  
    private List<IAdoptable> participants;  
    public AdoptionEvent() {  
        participants = new ArrayList<>();  
    }  
    public void registerParticipant(PetShelter shelter) {  
        participants.add((IAdoptable) shelter);  
        System.out.println("Participant registered for the adoption event.");  
    }  
    public void hostEvent() {  
        System.out.println("Hosting Adoption Event...");  
        for (IAdoptable participant : participants) {  
            try {  
                participant.adopt();  
            } catch (Exception e) {  
                System.out.println("Error during adoption: " + e.getMessage());  
            }  
        }  
        System.out.println("Adoption Event concluded.");  
    }  
    public List<IAdoptable> getParticipants() {  
        return participants;  
    }  
}
```

```
}  
}
```

=====

AdoptionEventDAO.java:

```
package dao;  
import util.DBConnUtil;  
import java.sql.Connection;  
import java.sql.PreparedStatement;  
import java.sql.SQLException;  
import java.sql.Statement;  
import java.sql.ResultSet;  
public class AdoptionEventDAO {  
  
    public int hostEvent(String description) {  
        String query = "INSERT INTO adoptionevents (description, event_date) VALUES  
(?, CURDATE())";  
        int generatedId = -1;  
        try (Connection conn = DBConnUtil.getConnection("db.properties");  
             PreparedStatement stmt = conn.prepareStatement(query,  
Statement.RETURN_GENERATED_KEYS)) {  
            stmt.setString(1, description);  
            stmt.executeUpdate();  
            ResultSet rs = stmt.getGeneratedKeys();  
            if (rs.next()) {  
                generatedId = rs.getInt(1);  
                System.out.println(" Adoption event recorded in DB with ID: " + generatedId);  
            }  
        } catch (SQLException e) {  
            System.out.println(" Error recording event: " + e.getMessage());  
        }  
        return generatedId;  
    }  
  
    public int hostEvent(String description, String location) {  
        String query = "INSERT INTO adoptionevents (description, location, event_date)  
VALUES (?, ?, CURDATE())";  
        int generatedId = -1;
```

```

    try (Connection conn = DBConnUtil.getConnection("db.properties");
        PreparedStatement stmt = conn.prepareStatement(query,
Statement.RETURN_GENERATED_KEYS)) {
        stmt.setString(1, description);
        stmt.setString(2, location);
        stmt.executeUpdate();
        ResultSet rs = stmt.getGeneratedKeys();
        if (rs.next()) {
            generatedId = rs.getInt(1);
            System.out.println("Adoption event recorded in DB with ID: " + generatedId);
        }
    } catch (SQLException e) {
        System.out.println("Error recording event: " + e.getMessage());
    }
    return generatedId;
}
}

```

=====

Donatio.java

```

package dao;
import exception.InsufficientFundsException;
public abstract class Donation {
    protected String donorName;
    protected double amount;
    // Constructor
    public Donation(String donorName, double amount) {
        this.donorName = donorName;
        this.amount = amount;
    }
    // Getters and Setters
    public String getDonorName() {
        return donorName;
    }
    public void setDonorName(String donorName) {
        this.donorName = donorName;
    }
}

```

```

    public double getAmount() {
        return amount;
    }
    public void setAmount(double amount) {
        this.amount = amount;
    }
    // Abstract Method with exception
    public abstract void recordDonation() throws InsufficientFundsException;
}

```

=====

CashDonation.java

```

package dao;
import exception.InsufficientFundsException;
import util.DBConnUtil;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.time.LocalDateTime;
import java.time.ZoneId;
import java.util.Date;
public class CashDonation extends Donation {
    private LocalDateTime donationDate;
    public CashDonation(String donorName, double amount, Date date) {
        super(donorName, amount);
        this.donationDate = LocalDateTime.ofInstant(date.toInstant(),
ZoneId.systemDefault());
    }
    public Date getDonationDate() {
        return Date.from(donationDate.atZone(ZoneId.systemDefault()).toInstant());
    }
    public void setDonationDate(LocalDateTime donationDate) {
        this.donationDate = donationDate;
    }
    @Override
    public void recordDonation() throws InsufficientFundsException {

```

```

        if (amount < 10) {
            throw new InsufficientFundsException("Donation amount must be at least
₹10.");
        }
        System.out.println("Cash Donation Recorded:");
        System.out.println("Donor: " + donorName);
        System.out.println("Amount: ₹" + amount);
        System.out.println("Date: " + donationDate);
        Connection conn = DBConnUtil.getConnection("db.properties");
        if (conn == null) {
            System.out.println("Database connection failed.");
            return;
        }
        String query = "INSERT INTO cashdonations (donor_name, amount,
donation_date) VALUES (?, ?, ?)";
        try (PreparedStatement stmt = conn.prepareStatement(query)) {
            stmt.setString(1, donorName);
            stmt.setDouble(2, amount);
            stmt.setDate(3, java.sql.Date.valueOf(donationDate.toLocalDate()));
            stmt.executeUpdate();
        } catch (SQLException e) {
            System.out.println("Failed to insert donation: " + e.getMessage());
        }
    }
}

```

=====

CashDonationDAO.java

```

package dao;
import util.DBConnUtil;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.sql.Date;
public class CashDonationDAO {
    public void addDonation(String donorName, double amount) {
        Connection conn = DBConnUtil.getConnection("db.properties");
        if (conn == null) {
            System.out.println("Database connection failed.");
            return;
        }
    }
}

```

```

    }
    String query = "INSERT INTO cashdonations (donor_name, amount,
donation_date) VALUES (?, ?, ?)";
    try (PreparedStatement stmt = conn.prepareStatement(query)) {
        stmt.setString(1, donorName);
        stmt.setDouble(2, amount);
        stmt.setDate(3, new Date(System.currentTimeMillis())); // current date
        stmt.executeUpdate();
    } catch (SQLException e) {
        System.out.println("Failed to insert cash donation: " + e.getMessage());
    }
}
}

```

```

=====
=====

```

ItemDonation.java:

```

package dao;
public class ItemDonation extends Donation {
    private String itemType;
    // Constructor
    public ItemDonation(String donorName, double amount, String itemType) {
        super(donorName, amount);
        this.itemType = itemType;
    }
    // Getter and Setter
    public String getItemType() {
        return itemType;
    }
    public void setItemType(String itemType) {
        this.itemType = itemType;
    }
    // Implementation of abstract method
    @Override
    public void recordDonation() {
        System.out.println("Item Donation Recorded:");
    }
}

```

```

        System.out.println("Donor: " + donorName);
        System.out.println("Amount (Estimated): $" + amount);
        System.out.println("Item Type: " + itemType);
    }
}

```

=====

```

package dao;
import util.DBConnUtil;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
public class ItemDonationDAO {
    public void addDonation(String donorName, String itemDescription) {
        String query = "INSERT INTO itemdonations (donor_name, item_description,
donation_date) VALUES (?, ?, CURDATE())";
        try (Connection conn = DBConnUtil.getConnection("db.properties");
            PreparedStatement stmt = conn.prepareStatement(query)) {
            stmt.setString(1, donorName);
            stmt.setString(2, itemDescription);
            stmt.executeUpdate();
            System.out.println(" Item donation inserted in database.");
        } catch (SQLException e) {
            System.out.println(" Error adding item donation: " + e.getMessage());
        }
    }
}

```

=====

=====

ParticipantDAO.java:

```

package dao;
import util.DBConnUtil;
import java.sql.*;
import java.util.ArrayList;
import java.util.List;

```



```

public class ParticipantDAO {

    public void addParticipant(int eventId, String shelterName) {
        Connection conn = DBConnUtil.getConnection("db.properties");
        if (conn == null) {
            System.out.println("Database connection failed.");
            return;
        }
        String query = "INSERT INTO eventparticipants (event_id, shelter_name) VALUES
(?, ?)";
        try (PreparedStatement stmt = conn.prepareStatement(query)) {
            stmt.setInt(1, eventId);
            stmt.setString(2, shelterName);
            stmt.executeUpdate();
        } catch (SQLException e) {
            System.out.println("Error adding participant: " + e.getMessage());
        }
    }

    public List<String> getParticipants(int eventId) {
        List<String> participants = new ArrayList<>();
        Connection conn = DBConnUtil.getConnection("db.properties");
        if (conn == null) {
            System.out.println("Database connection failed.");
            return participants;
        }
        String query = "SELECT shelter_name FROM eventparticipants WHERE event_id
= ?";
        try (PreparedStatement stmt = conn.prepareStatement(query)) {
            stmt.setInt(1, eventId);
            ResultSet rs = stmt.executeQuery();
            while (rs.next()) {
                participants.add(rs.getString("shelter_name"));
            }
        } catch (SQLException e) {
            System.out.println("Error retrieving participants: " + e.getMessage());
        }
        return participants;
    }
}

```

=====

PetDAO.java:

```
package dao;
import entity.Cat;
import entity.Dog;
import entity.Pet;
import util.DBConnUtil;
import java.sql.*;
import java.util.ArrayList;
import java.util.List;
public class PetDAO {

    public void addPet(Pet pet) {
        String query = "INSERT INTO pets (name, age, breed, dog_breed, cat_color, type)
VALUES (?, ?, ?, ?, ?, ?)";
        try (Connection conn = DBConnUtil.getConnection("db.properties");
            PreparedStatement stmt = conn.prepareStatement(query)) {
            stmt.setString(1, pet.getName());
            stmt.setInt(2, pet.getAge());
            stmt.setString(3, pet.getBreed());
            if (pet instanceof Dog) {
                stmt.setString(4, ((Dog) pet).getDogBreed());
                stmt.setNull(5, Types.VARCHAR);
                stmt.setString(6, "dog");
            } else if (pet instanceof Cat) {
                stmt.setNull(4, Types.VARCHAR);
                stmt.setString(5, ((Cat) pet).getCatColor());
                stmt.setString(6, "cat");
            } else {
                stmt.setNull(4, Types.VARCHAR);
                stmt.setNull(5, Types.VARCHAR);
                stmt.setString(6, "unknown");
            }
            stmt.executeUpdate();
            System.out.println(" Pet added to the database.");
        } catch (SQLException e) {
            System.out.println(" Error adding pet: " + e.getMessage());
        }
    }
}
```

```
}
```

```
public List<Pet> getAllPets() {
    List<Pet> pets = new ArrayList<>();
    String query = "SELECT * FROM pets";
    try (Connection conn = DBConnUtil.getConnection("db.properties");
        Statement stmt = conn.createStatement();
        ResultSet rs = stmt.executeQuery(query)) {
        while (rs.next()) {
            String name = rs.getString("name");
            int age = rs.getInt("age");
            String breed = rs.getString("breed");
            String type = rs.getString("type");
            Pet pet;
            if ("dog".equalsIgnoreCase(type)) {
                pet = new Dog(name, age, breed, rs.getString("dog_breed"));
            } else if ("cat".equalsIgnoreCase(type)) {
                pet = new Cat(name, age, breed, rs.getString("cat_color"));
            } else {
                continue;
            }
            pets.add(pet);
        }
    } catch (SQLException e) {
        System.out.println(" Error reading pets: " + e.getMessage());
    }
    return pets;
}
```

```
public void removePetByName(String name) {
    String query = "DELETE FROM pets WHERE name = ?";
    try (Connection conn = DBConnUtil.getConnection("db.properties");
        PreparedStatement stmt = conn.prepareStatement(query)) {
        stmt.setString(1, name);
        int count = stmt.executeUpdate();
        if (count > 0) {
            System.out.println(" Pet removed from the database.");
        } else {
            System.out.println(" Pet not found in database.");
        }
    }
}
```

```

    } catch (SQLException e) {
        System.out.println(" Error removing pet: " + e.getMessage());
    }
}
}

```

```

=====
=====

```

Entity package:

pets.java:

```

package entity;
public class Pet {
    private String name;
    private int age;
    private String breed;
    // Constructor
    public Pet(String name, int age, String breed) {
        this.name = name;
        this.age = age;
        this.breed = breed;
    }
    // Getters
    public String getName() {
        return name;
    }
    public int getAge() {
        return age;
    }
    public String getBreed() {
        return breed;
    }
    // Setters
    public void setName(String name) {
        this.name = name;
    }
    public void setAge(int age) {

```

```

        this.age = age;
    }
    public void setBreed(String breed) {
        this.breed = breed;
    }
    // toString Method
    @Override
    public String toString() {
        return "Pet [Name=" + name + ", Age=" + age + ", Breed=" + breed + "]";
    }
}

```

=====

Dog.java:

```

package entity;
public class Dog extends Pet {
    private String dogBreed;
    // Constructor
    public Dog(String name, int age, String breed, String dogBreed) {
        super(name, age, breed);
        this.dogBreed = dogBreed;
    }
    // Getter
    public String getDogBreed() {
        return dogBreed;
    }
    // Setter
    public void setDogBreed(String dogBreed) {
        this.dogBreed = dogBreed;
    }
    // toString Method
    @Override
    public String toString() {
        return super.toString() + ", DogBreed=" + dogBreed;
    }
}

```

```
}
```

=====

Cat.java

```
package entity;
public class Cat extends Pet {
    private String catColor;
    // Constructor
    public Cat(String name, int age, String breed, String catColor) {
        super(name, age, breed);
        this.catColor = catColor;
    }
    // Getter
    public String getCatColor() {
        return catColor;
    }
    // Setter
    public void setCatColor(String catColor) {
        this.catColor = catColor;
    }
    // toString Method
    @Override
    public String toString() {
        return super.toString() + ", CatColor=" + catColor;
    }
}
```

=====

PetShelter.java:

```
package entity;
import dao.IAdoptable;
import exception.FileReadException;
```

```

import util.DBConnUtil;
import java.sql.*;
import java.util.ArrayList;
import java.util.List;
public class PetShelter implements IAdoptable {
    private List<Pet> availablePets;
    // Constructor
    public PetShelter() {
        availablePets = new ArrayList<>();
    }
    // Add pet to the shelter
    public void addPet(Pet pet) {
        availablePets.add(pet);
    }
    // Remove pet from the shelter
    public void removePet(Pet pet) {
        availablePets.remove(pet);
    }
    // List all available pets
    public void listAvailablePets() {
        if (availablePets.isEmpty()) {
            System.out.println("No pets available for adoption.");
        } else {
            for (Pet pet : availablePets) {
                try {
                    if (pet == null || pet.getName() == null || pet.getAge() <= 0) {
                        throw new NullPointerException("Pet info is missing or invalid.");
                    }
                    System.out.println(pet.toString());
                } catch (NullPointerException e) {
                    System.out.println("Error: " + e.getMessage());
                }
            }
        }
    }

    public List<Pet> getAvailablePets() {
        return availablePets;
    }
}

```

```

public void fetchPetsFromDatabase() throws FileNotFoundException {
    Connection conn = DBConnUtil.getConnection("db.properties");
    if (conn == null) throw new FileNotFoundException("Failed to connect to DB");
    String query = "SELECT * FROM pets";
    try (PreparedStatement stmt = conn.prepareStatement(query); ResultSet rs =
stmt.executeQuery()) {
        availablePets.clear();
        while (rs.next()) {
            String name = rs.getString("name");
            int age = rs.getInt("age");
            String breed = rs.getString("breed");
            String type = rs.getString("type");
            String catColor = rs.getString("cat_color");
            String dogBreed = rs.getString("dog_breed");
            Pet pet = null;
            if ("Cat".equalsIgnoreCase(type)) {
                pet = new Cat(name, age, breed, catColor);
            } else if ("Dog".equalsIgnoreCase(type)) {
                pet = new Dog(name, age, breed, dogBreed);
            }
            if (pet != null) {
                addPet(pet);
            }
        }
    } catch (SQLException e) {
        throw new FileNotFoundException("Error reading pets from DB: " + e.getMessage());
    }
}

// Implementation of adopt() from IAdoptable
@Override
public void adopt() {
    System.out.println("Pet adopted from the shelter.");
}
}

```

=====

Exception package:

AdoptionException.java

```
package exception;
public class AdoptionException extends Exception {
    public AdoptionException(String message) {
        super(message);
    }
}
```

=====

FileReadException.java:

```
package exception;
public class FileReadException extends Exception {
    public FileReadException(String message) {
        super(message);
    }
}
```

=====

InsufficientFundsException.java:

```
package exception;
public class InsufficientFundsException extends Exception {
    public InsufficientFundsException(String message) {
        super(message);
    }
}
```

=====

InvalidAgeException.java:

```
package exception;
public class InvalidAgeException extends Exception {
```

```

    public InvalidAgeException(String message) {
        super(message);
    }
}

```

=====

NullPropertyException.java

```

package exception;
public class NullPropertyException extends Exception {
    public NullPropertyException(String message) {
        super(message);
    }
}

```

=====

Main package:

MainModule.java:

```

package main;
import java.util.Scanner;
import entity.*;
import dao.*;
import exception.*;
import java.io.*;
import java.sql.Connection;
import java.util.List;
import util.DBConnUtil;
public class MainModule {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        PetShelter shelter = new PetShelter();
        AdoptionEvent event = new AdoptionEvent();
        String dbFile = "db.properties";
        // DAO Instances
        PetDAO petDAO = new PetDAO();
        CashDonationDAO cashDonationDAO = new CashDonationDAO();
    }
}

```

```

ItemDonationDAO itemDonationDAO = new ItemDonationDAO();
AdoptionEventDAO eventDAO = new AdoptionEventDAO();
ParticipantDAO participantDAO = new ParticipantDAO();
while (true) {
    System.out.println("\n==== PetPals Adoption Platform =====");
    System.out.println("1. Add a Pet");
    System.out.println("2. List Available Pets");
    System.out.println("3. Remove a Pet");
    System.out.println("4. Make a Cash Donation");
    System.out.println("5. Make an Item Donation");
    System.out.println("6. Host Adoption Event");
    System.out.println("7. Register Participant");
    System.out.println("8. Read Pets from File");
    System.out.println("9. Exit");
    System.out.print("Enter choice: ");
    int choice = scanner.nextInt();
    scanner.nextLine();
    try {
        switch (choice) {
            case 1:
                System.out.print("Enter pet type (dog/cat): ");
                String type = scanner.nextLine().toLowerCase();
                System.out.print("Enter name: ");
                String name = scanner.nextLine();
                System.out.print("Enter age: ");
                int age = scanner.nextInt();
                scanner.nextLine();
                if (age <= 0) {
                    throw new InvalidAgeException("Pet age must be a positive integer.");
                }
                System.out.print("Enter breed: ");
                String breed = scanner.nextLine();
                Pet pet = null;
                if (type.equals("dog")) {
                    System.out.print("Enter dog breed: ");
                    String dogBreed = scanner.nextLine();
                    pet = new Dog(name, age, breed, dogBreed);
                } else if (type.equals("cat")) {
                    System.out.print("Enter cat color: ");
                    String catColor = scanner.nextLine();

```

```

        pet = new Cat(name, age, breed, catColor);
    } else {
        System.out.println("Invalid pet type.");
        break;
    }
    petDAO.addPet(pet);
    shelter.addPet(pet);
    System.out.println("Pet added successfully to both system and
database.");
    break;
case 2:
    List<Pet> pets = petDAO.getAllPets();
    if (pets.isEmpty()) {
        System.out.println("No pets available in the database.");
    } else {
        System.out.println("Available Pets:");
        for (Pet p : pets) {
            if (p.getName() == null || p.getAge() == 0) {
                throw new NullPointerException("Pet information is
incomplete.");
            }
            System.out.println(p);
        }
    }
    break;
case 3:
    System.out.print("Enter pet name to remove: ");
    String removeName = scanner.nextLine();

    List<Pet> petsInDb = petDAO.getAllPets();
    Pet petToRemove = null;
    for (Pet p : petsInDb) {
        if (p.getName().equalsIgnoreCase(removeName)) {
            petToRemove = p;
            break;
        }
    }
    if (petToRemove != null) {
        petDAO.removePetByName(removeName);
        shelter.removePet(petToRemove); // In case it's in memory

```

```

        System.out.println("Pet " + removeName + " removed from
database.");
    } else {
        throw new AdoptionException("Pet not found.");
    }
    break;
case 4:
    System.out.print("Enter donor name: ");
    String donorName = scanner.nextLine();
    System.out.print("Enter donation amount: ");
    double amount = scanner.nextDouble();
    scanner.nextLine();
    if (amount < 10) {
        throw new InsufficientFundsException("Minimum donation amount is
₹10.");
    }
    cashDonationDAO.addDonation(donorName, amount);
    System.out.println("Cash donation recorded in database.");
    break;
case 5:
    System.out.print("Enter donor name: ");
    String donorItemName = scanner.nextLine();
    System.out.print("Enter item type: ");
    String item = scanner.nextLine();
    itemDonationDAO.addDonation(donorItemName, item);
    System.out.println("Item donation recorded in database.");
    break;
case 6:
    System.out.print("Enter event description: ");
    String eventDesc = scanner.nextLine();
    System.out.print("Enter event location: ");
    String eventLocation = scanner.nextLine();
    int eventId = eventDAO.hostEvent(eventDesc, eventLocation);
    for (IAadoptable participant : event.getParticipants()) {
        if (participant instanceof PetShelter) {
            participantDAO.addParticipant(eventId, "Pet Shelter");
        }
    }
    event.hostEvent();
    break;

```

```

        case 7:
            System.out.print("Enter Event ID to register for: ");
            int eventIdManual = scanner.nextInt();
            scanner.nextLine();
            System.out.print("Enter Shelter Name to register: ");
            String shelterName = scanner.nextLine();
            participantDAO.addParticipant(eventIdManual, shelterName);
            System.out.println("Shelter registered for the adoption event in
database.");
            break;
        case 8:
            System.out.print("Enter file name to read pets: ");
            String fileName = scanner.nextLine();
            try (BufferedReader br = new BufferedReader(new
FileReader(fileName))) {
                String line;
                while ((line = br.readLine()) != null) {
                    System.out.println("File Line: " + line);
                }
            } catch (IOException e) {
                throw new FileReadException("Error reading file: " + e.getMessage());
            }
            break;
        case 9:
            System.out.println("Exiting... Thank you for using PetPals.");
            scanner.close();
            System.exit(0);
        default:
            System.out.println("Invalid choice. Please select a valid option.");
    }
} catch (InvalidAgeException | NullPropertyException |
InsufficientFundsException |
AdoptionException | FileReadException e) {
    System.out.println("Error: " + e.getMessage());
}
}
}
}
}

```

=====

TestConnection.java:

```
package main;
import java.sql.Connection;
import util.DBConnUtil;
public class TestConnection {
    public static void main(String[] args) {
        Connection conn = DBConnUtil.getConnection("db.properties");
        if (conn != null) {
            System.out.println("Database connection successful.");
        } else {
            System.out.println("Failed to connect to database.");
        }
    }
}
```

=====

util.package :

DBConnUtil .java

```
package util;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
public class DBConnUtil {
    public static Connection getConnection(String propertyFileName) {
        Connection conn = null;
        try {
            String connectionString =
DBPropertyUtil.getConnectionString(propertyFileName);
            if (connectionString != null) {
                conn = DriverManager.getConnection(connectionString);
            }
        }
    }
}
```

```

    } catch (SQLException e) {
        System.out.println("Database connection failed: " + e.getMessage());
    }
    return conn;
}
}

```

=====

DBPropertyUtil.java:

```

package util;
import java.io.FileInputStream;
import java.io.IOException;
import java.util.Properties;
public class DBPropertyUtil {
    public static String getConnectionString(String propertyFileName) {
        Properties prop = new Properties();
        try (FileInputStream input = new FileInputStream(propertyFileName)) {
            prop.load(input);
            String url = prop.getProperty("db.url");
            String username = prop.getProperty("db.username");
            String password = prop.getProperty("db.password");
            return url + "?user=" + username + "&password=" + password;
        } catch (IOException e) {
            System.out.println("Error reading property file: " + e.getMessage());
            return null;
        }
    }
}

```

=====

db.properties:

db.url=<jdbc:mysql://localhost:3306/petpalsdb>
db.username=[root](#)
db.password=

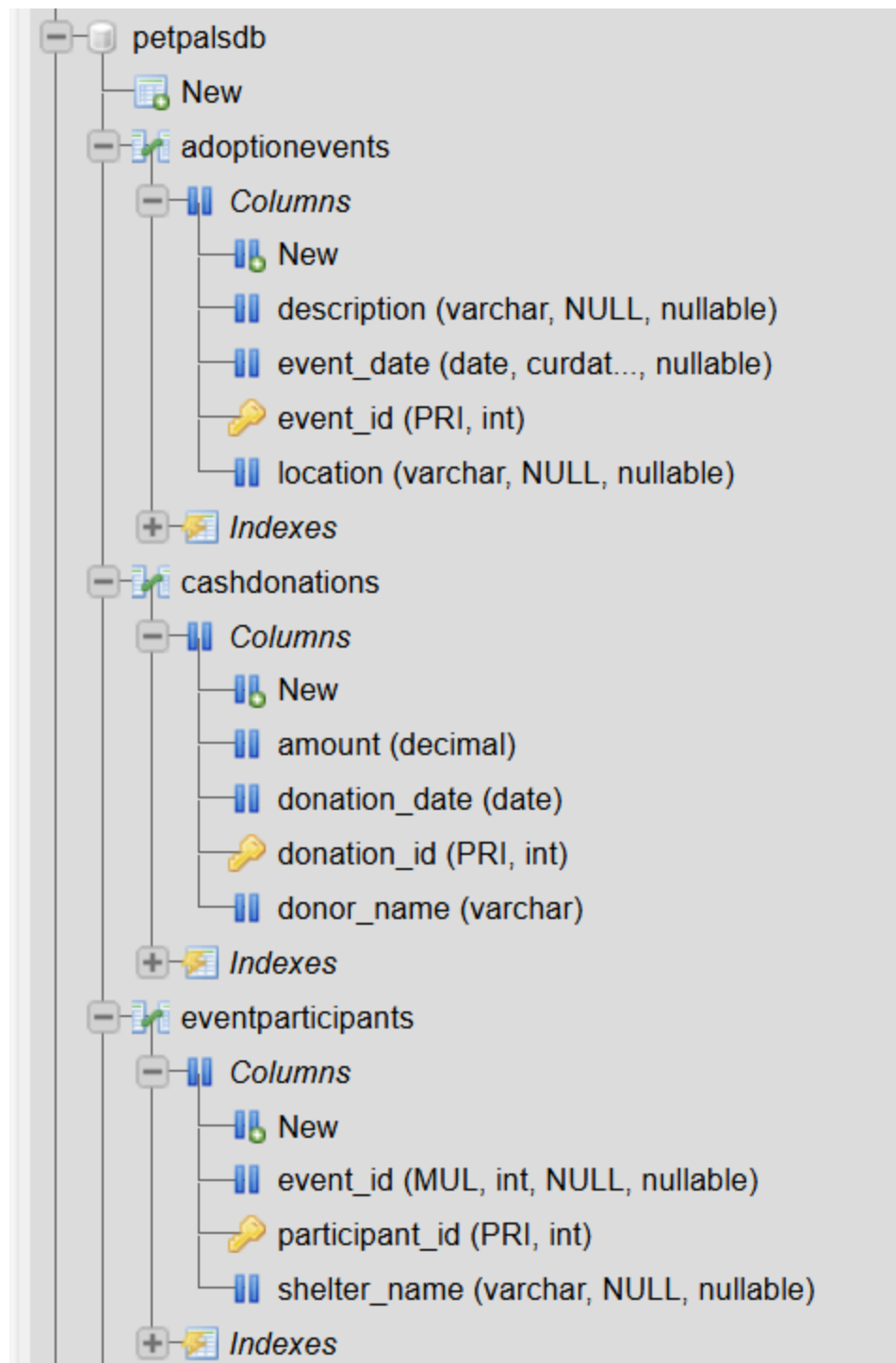
=====

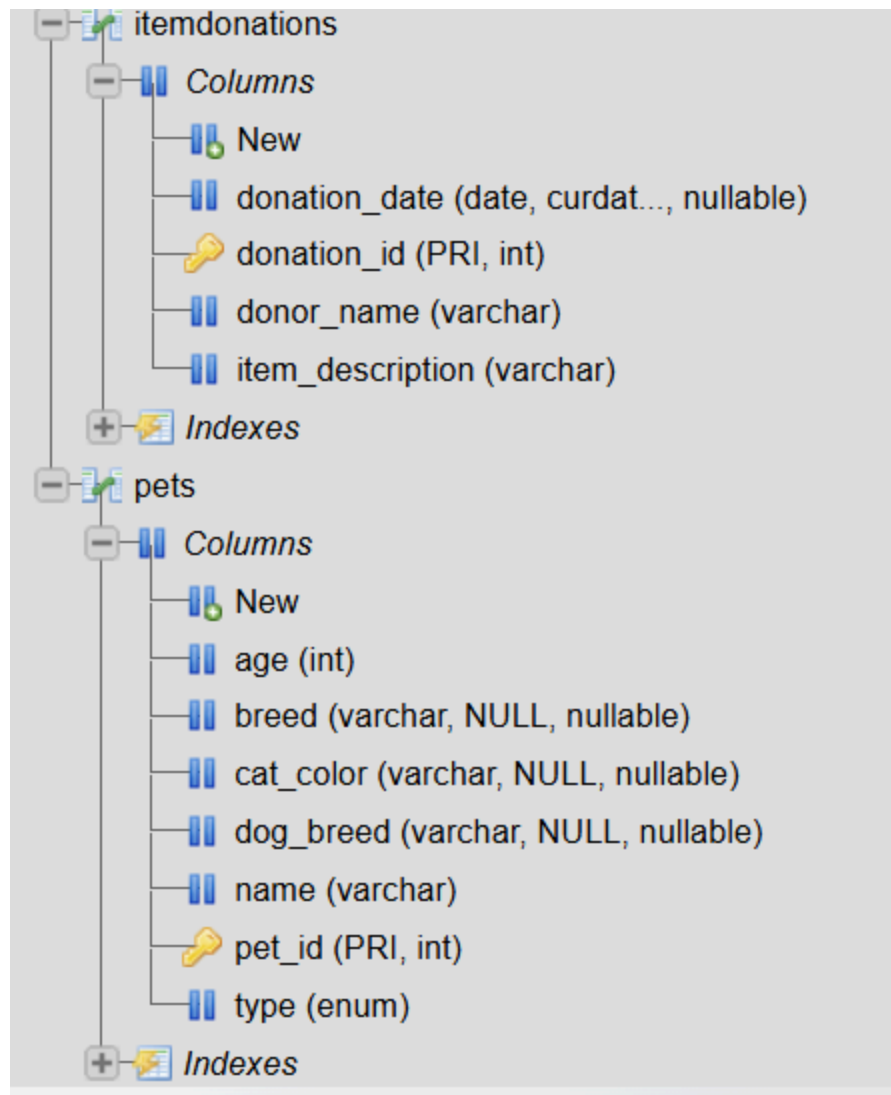
pets.txt:

Dog,Bruno,3,Labrador,Golden
Cat,Misty,2,Persian,White
Dog,Rocky,4,Beagle,Brown

=====

DB structure:





Output:

===== PetPals Adoption Platform =====

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 1

Enter pet type (dog/cat): dog

Enter name: moti

Enter age: 3

Enter breed: Labrador

Enter dog breed: Labrador

☒ Pet added to the database.

Pet added successfully to both system and database.

===== PetPals Adoption Platform =====

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 2

Available Pets:

Pet [Name=Tommy, Age=3, Breed=Labrador], DogBreed=Golden Labrador

Pet [Name=Bruno, Age=5, Breed=Beagle], DogBreed=Beagle

Pet [Name=Mani, Age=3, Breed=indi], CatColor=white

Pet [Name=moti, Age=3, Breed=Labrador], DogBreed=Labrador

===== PetPals Adoption Platform =====

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 1

Enter pet type (dog/cat): cat

Enter name: mani

Enter age: 2

Enter breed: indi

Enter cat color: brown

☒ Pet added to the database.

Pet added successfully to both system and database.

===== PetPals Adoption Platform =====

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 2

Available Pets:

Pet [Name=Tommy, Age=3, Breed=Labrador], DogBreed=Golden Labrador

Pet [Name=Bruno, Age=5, Breed=Beagle], DogBreed=Beagle

Pet [Name=Mani, Age=3, Breed=indi], CatColor=white

Pet [Name=moti, Age=3, Breed=Labrador], DogBreed=Labrador

Pet [Name=mani, Age=2, Breed=indi], CatColor=brown

```
===== PetPals Adoption Platform =====
1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit
Enter choice: 3
Enter pet name to remove: tommy
Error: Pet not found.
```

```
===== PetPals Adoption Platform =====
1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit
Enter choice: 3
Enter pet name to remove: mani
Pet removed from the database.
Pet 'mani' removed from database.
```

===== PetPals Adoption Platform =====

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 4

Enter donor name: Sanchita

Enter donation amount: 4000

Cash donation recorded in database.

===== PetPals Adoption Platform =====

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 5

Enter donor name: Ram

Enter item type: Medicine

Item donation inserted in database.

Item donation recorded in database.

===== PetPals Adoption Platform =====

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 6

Enter event description: Save animal

Enter event location: Pune

Adoption event recorded in DB with ID: 7

Hosting Adoption Event...

Adoption Event concluded.

===== PetPals Adoption Platform =====

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 7

Enter Event ID to register for: 7

Enter Shelter Name to register: Animal Safety

Shelter registered for the adoption event in database.


```
===== PetPals Adoption Platform =====
```

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit

Enter choice: 8

Enter file name to read pets: pets.txt

File Line: Dog,Bruno,3,Labrador,Golden

File Line: Cat,Misty,2,Persian,White

File Line: Dog,Rocky,4,Beagle,Brown

```
===== PetPals Adoption Platform =====
```

1. Add a Pet
2. List Available Pets
3. Remove a Pet
4. Make a Cash Donation
5. Make an Item Donation
6. Host Adoption Event
7. Register Participant
8. Read Pets from File
9. Exit








Enter choice: 9

Exiting... Thank you for using PetPals.

Tables after Insertions:










Pets

Extra options

<div>←T→</div>				pet_id	name	age	breed	type	dog_breed	cat_color
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Tommy	3	Labrador	Dog	Golden Labrador	NULL
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	Bruno	5	Beagle	Dog	Beagle	NULL
<input type="checkbox"/>	 Edit	 Copy	 Delete	10	moti	3	Labrador	Dog	Labrador	NULL



















Itemdonations:

Extra options

<div>← T →</div>		donation_id	donor_name	item_description	donation_date
<div><div><input type="checkbox"/></div><div><div><div></div><div>Edit</div></div><div><div></div><div>Copy</div></div><div><div></div><div>Delete</div></div></div></div>		1	Sneha Kapoor	Pack of dog food	2025-04-09
<div><div><input type="checkbox"/></div><div><div><div></div><div>Edit</div></div><div><div></div><div>Copy</div></div><div><div></div><div>Delete</div></div></div></div>		2	Amit Kumar	Cat toys and grooming kit	2025-04-09
<div><div><input type="checkbox"/></div><div><div><div></div><div>Edit</div></div><div><div></div><div>Copy</div></div><div><div></div><div>Delete</div></div></div></div>		6	Ram	Medicine	2025-04-09

eventparticipants

Extra options

		participant_id	event_id	shelter_name
<input type="checkbox"/>	 Edit  Copy  Delete	2	1	Animal Rescue League
<input type="checkbox"/>	 Edit  Copy  Delete	4	1	sahas
<input type="checkbox"/>	 Edit  Copy  Delete	6	7	Animal Safety
	 Check all  With selected	 Edit	 Copy	 Delete  Export

cashdonations

<div><div><div>←</div><div>T</div><div>→</div></div><div></div></div>				donation_id	donor_name	amount	donation_date
<input type="checkbox"/>	<div><div><div></div></div><div>Edit</div></div>	<div><div><div></div></div><div>Copy</div></div>	<div><div><div></div></div><div>Delete</div></div>	4	Madhu	4777.00	2025-04-09
<input type="checkbox"/>	<div><div><div></div></div><div>Edit</div></div>	<div><div><div></div></div><div>Copy</div></div>	<div><div><div></div></div><div>Delete</div></div>	7	diksha	4770.00	2025-04-09
<input type="checkbox"/>	<div><div><div></div></div><div>Edit</div></div>	<div><div><div></div></div><div>Copy</div></div>	<div><div><div></div></div><div>Delete</div></div>	9	Sanchita	4000.00	2025-04-09

Adoptionevents

<div><div><div><div><div></div><div>←</div><div>T</div><div>→</div></div><div></div></div><div></div></div></div>							event_id	event_date	description	location
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div>	1	2025-04-10	Spring Pet Adoption Fair	NULL						
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div>	3	2025-04-09	Monthly Adoption Event	NULL						
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div></div>	7	2025-04-09	Save animal	Pune						

Github Repo:

<https://github.com/SanchitaDevkar/Petpals.git>