import java.util.ArrayList;

import java.util.Scanner;

public class Driver {

private static ArrayList<Dog> dogList = new ArrayList<Dog>();

private static ArrayList<Monkey> monkeyList = new ArrayList<Monkey>();

// Instance variables (if needed)

private static String userInput = "1";

private static int i;

public static void main(String[] args) {

Scanner scnr = new Scanner(System.in);

initializeDogList();

initializeMonkeyList();

while(userInput != "q") {

displayMenu();

userInput = scnr.next();

switch (userInput) {

case "1": intakeNewDog(scnr);

break;

case "2": intakeNewMonkey(scnr);

break;

case "3": reserveAnimal(scnr);

break;

case "4": for(i = 0; i < dogList.length; ++i) {

System.out.println(dogList[i]);

}

break;

case "5": int i;

for(i = 0; i < dogList.length; ++i) {

System.out.println(dogList[i]);

}

break;

case "6": System.out.println("Notreserved");

break;

case "q": userInput = "q";

break;

default: continue;

}

// Add a loop that displays the menu, accepts the users input

// and takes the appropriate action.

// For the project submission you must also include input validation

// and appropriate feedback to the user.

// Hint: create a Scanner and pass it to the necessary

// methods

// Hint: Menu options 4, 5, and 6 should all connect to the printAnimals() method.

// This method prints the menu options

public static void displayMenu() {

System.out.println("\n\n");

System.out.println("\t\t\t\tRescue Animal System Menu");

System.out.println("[1] Intake a new dog");

System.out.println("[2] Intake a new monkey");

System.out.println("[3] Reserve an animal");

System.out.println("[4] Print a list of all dogs");

System.out.println("[5] Print a list of all monkeys");

System.out.println("[6] Print a list of all animals that are not reserved");

System.out.println("[q] Quit application");

System.out.println();

System.out.println("Enter a menu selection");

}

// Adds dogs to a list for testing

public static void initializeDogList() {

Dog dog1 = new Dog("Spot", "German Shepherd", "male", "1", "25.6", "05-12-2019", "United States", "intake", false, "United States");

Dog dog2 = new Dog("Rex", "Great Dane", "male", "3", "35.2", "02-03-2020", "United States", "Phase I", false, "United States");

Dog dog3 = new Dog("Bella", "Chihuahua", "female", "4", "25.6", "12-12-2019", "Canada", "in service", true, "Canada");

dogList.add(dog1);

dogList.add(dog2);

dogList.add(dog3);

}

// Adds monkeys to a list for testing

//Optional for testing

public static void initializeMonkeyList() {

}

// Complete the intakeNewDog method

// The input validation to check that the dog is not already in the list

// is done for you

public static void intakeNewDog(Scanner scanner) {

System.out.println("What is the dog's name?");

String name = scanner.nextLine();

for(Dog dog: dogList) {

if(dog.getName().equalsIgnoreCase(name)) {

System.out.println("\n\nThis dog is already in our system\n\n");

return; //returns to menu

}

}

// Add the code to instantiate a new dog and add it to the appropriate list

}

// Add the code to instantiate a new dog and add it to the appropriate list

// Complete intakeNewMonkey

//Instantiate and add the new monkey to the appropriate list

// For the project submission you must also validate the input

// to make sure the monkey doesn't already exist and the species type is allowed

public static void intakeNewMonkey(Scanner scanner) {

System.out.println("The method intakeNewMonkey needs to be implemented");

}

// Complete reserveAnimal

// You will need to find the animal by animal type and in service country

public static void reserveAnimal(Scanner scanner) {

System.out.println("The method reserveAnimal needs to be implemented");

}

// Complete printAnimals

// Include the animal name, status, acquisition country and if the animal is reserved.

// Remember that this method connects to three different menu items.

// The printAnimals() method has three different outputs

// based on the listType parameter

// dog - prints the list of dogs

// monkey - prints the list of monkeys

// available - prints a combined list of all animals that are

// fully trained ("in service") but not reserved

// Remember that you only have to fully implement ONE of these lists.

// The other lists can have a print statement saying "This option needs to be implemented".

// To score "exemplary" you must correctly implement the "available" list.

public static void printAnimals() {

System.out.println("The method printAnimals needs to be implemented");

}

}