Package customerms;

public class Campaign {

private String name;

private String description;

private String startDate;

private String endDate;

private double budget;

public Campaign(String name, String description, String startDate, String endDate, double budget) {

this.name = name;

this.description = description;

this.startDate = startDate;

this.endDate = endDate;

this.budget = budget;

}

public String getName() {

return name;

}

public String getDescription() {

return description;

}

public String getStartDate() {

return startDate;

}

public String getEndDate() {

return endDate;

}

public double getBudget() {

return budget;

}

@Override

public String toString() {

return "Campaign{" +

"name='" + name + '\'' +

", description='" + description + '\'' +

", startDate='" + startDate + '\'' +

", endDate='" + endDate + '\'' +

", budget=" + budget +

'}';

}

}

public class CampaignManager {

private static ArrayList<Campaign> campaigns = new ArrayList<>();

public static void addCampaign(String name, String description, String startDate, String endDate, double budget) {

Campaign campaign = new Campaign(name, description, startDate, endDate, budget);

campaigns.add(campaign);

System.out.println("Campaign added successfully!");

}

public static void listCampaigns() {

if (campaigns.isEmpty()) {

System.out.println("No campaigns to display.");

} else {

for (Campaign campaign : campaigns) {

System.out.println(campaign);

}

}

}

public static void removeCampaign(String name) {

boolean removed = false;

for (Campaign campaign : campaigns) {

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

campaigns.remove(campaign);

System.out.println("Campaign removed successfully!");

removed = true;

break;

}

}

if (!removed) {

System.out.println("Campaign not found.");

}

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

while (true) {

System.out.println("Campaign Management System");

System.out.println("1. Add Campaign");

System.out.println("2. List Campaigns");

System.out.println("3. Remove Campaign");

System.out.println("4. Exit");

System.out.print("Enter your choice: ");

int choice = scanner.nextInt();

scanner.nextLine(); // Consume newline

switch (choice) {

case 1:

System.out.print("Enter campaign name: ");

String name = scanner.nextLine();

System.out.print("Enter campaign description: ");

String description = scanner.nextLine();

System.out.print("Enter start date (yyyy-mm-dd): ");

String startDate = scanner.nextLine();

System.out.print("Enter end date (yyyy-mm-dd): ");

String endDate = scanner.nextLine();

System.out.print("Enter budget: ");

double budget = scanner.nextDouble();

addCampaign(name, description, startDate, endDate, budget);

break;

case 2:

listCampaigns();

break;

case 3:

System.out.print("Enter the name of the campaign to remove: ");

String campaignName = scanner.nextLine();

removeCampaign(campaignName);

break;

case 4:

System.out.println("Exiting...");

scanner.close();

return;

default:

System.out.println("Invalid choice. Please try again.");

}

}

}

}