#include <stdio.h>

#include <string.h>

// Define the Customer structure

struct Customer {

    char name[100];

    char email[100];

    char phone[20];

    int isLead; // 1 if lead, 0 if not

};

// Function to add a new customer

void addCustomer(struct Customer\* customers, int\* numCustomers) {

    if (\*numCustomers >= 10) {

        printf("Error: Maximum number of customers reached.\n");

        return;

    }

    struct Customer newCustomer;

    printf("Enter customer name: ");

    scanf("%s", newCustomer.name);

    printf("Enter customer email: ");

    scanf("%s", newCustomer.email);

    printf("Enter customer phone: ");

    scanf("%s", newCustomer.phone);

    printf("Is this customer a lead? (1 for yes, 0 for no): ");

    scanf("%d", &newCustomer.isLead);

    customers[\*numCustomers] = newCustomer;

    (\*numCustomers)++;

    printf("Customer added successfully!\n");

}

// Function to view customer details

void viewCustomerDetails(const struct Customer\* customers, int numCustomers, const char\* email) {

    for (int i = 0; i < numCustomers; i++) {

        if (strcmp(customers[i].email, email) == 0) {

            printf("Customer Details:\n");

            printf("Name: %s\n", customers[i].name);

            printf("Email: %s\n", customers[i].email);

            printf("Phone: %s\n", customers[i].phone);

            printf("Lead Status: %s\n", customers[i].isLead ? "Lead" : "Not a Lead");

            return;

        }

    }

    printf("Customer with email '%s' not found.\n", email);

}

int main() {

    struct Customer customers[100]; // Assuming a maximum of 100 customers

    int numCustomers = 0;

    int choice;

    char email[100];

    while (1) {

        printf("\nCustomer Interaction System\n");

        printf("1. Add Customer\n");

        printf("2. View Customer Details\n");

        printf("3. Exit\n");

        printf("Enter your choice: ");

        scanf("%d", &choice);

        switch (choice) {

            case 1:

                addCustomer(customers, &numCustomers);

                break;

            case 2:

                printf("Enter customer email to view details: ");

                scanf("%s", email);

                viewCustomerDetails(customers, numCustomers, email);

                break;

            case 3:

                printf("Exiting. Have a great day!\n");

                return 0;

            default:

                printf("Invalid choice. Try again.\n");

        }

    }

    return 0;

}