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#include <stdio.h>
#include <string.h>

// Structure to hold customer information
struct Customer {
    char name[50];
    char phoneNumber[15];
    float usage;
    float totalBill;
};

struct Customer
    customers[100]; // Array to store customer data
int customerCount = 0; // Variable to keep track of the
                        // number of customers

// Function to add a new customer record
void addRecord()
{
    if (customerCount < 100) {
        printf("\nEnter name: ");
        scanf(" %[^\\n]s", customers[customerCount].name);
        printf("Enter phone number: ");
        scanf("%s", customers[customerCount].phoneNumber);
        printf("Enter usage (in minutes): ");
        scanf("%f", &customers[customerCount].usage);
        customers[customerCount].totalBill
            = customers[customerCount].usage * 0.1;
        customerCount++;
        printf("\nRecord added successfully!\\n");
    }
    else {
        printf("\nMaximum number of records reached!\\n");
    }
}

// Function to view the list of customer records
void viewRecords()
{
    // Print table header
    printf("\\n%-20s%-20s%-15s%-15s\\n", "Name", "Phone Number",
        "Usage(min)", "Total Bill($)");

    // Print records
    for (int i = 0; i < customerCount; i++) {
        printf("%-20s%-20s%-15.2f%-15.2f\\n", customers[i].name,
            customers[i].phoneNumber,
            customers[i].usage, customers[i].totalBill);
    }
}

// Function to modify a customer record
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```
void modifyRecord(char phoneNumber[])
{
    for (int i = 0; i < customerCount; i++) {
        if (strcmp(customers[i].phoneNumber, phoneNumber)
            == 0) {
            printf(
                "\nEnter new usage (in minutes) for %s: ",
                customers[i].name);
            scanf("%f", &customers[i].usage);
            customers[i].totalBill
                = customers[i].usage * 0.1;
            printf("\nRecord modified successfully!\n");
            return;
        }
    }
    printf("\nRecord not found!\n");
}

// Function to view payment for a customer
void viewPayment(char phoneNumber[])
{
    for (int i = 0; i < customerCount; i++) {
        if (strcmp(customers[i].phoneNumber, phoneNumber)
            == 0) {
            printf(
                "%s\t%s\t%.2f\t%.2f\n", customers[i].name,
                customers[i].phoneNumber,
                customers[i].usage, customers[i].totalBill);
            return;
        }
    }
    printf("\nRecord not found!\n");
}

// Function to delete a customer record
void deleteRecord(char phoneNumber[])
{
    for (int i = 0; i < customerCount; i++) {
        if (strcmp(customers[i].phoneNumber, phoneNumber)
            == 0) {
            for (int j = i; j < customerCount - 1; j++) {
                customers[j] = customers[j + 1];
            }
            customerCount--;
            printf("\nRecord deleted successfully!\n");
            return;
        }
    }
    printf("\nRecord not found!\n");
}

// Function to display menu options
void displayMenu()
{

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```
    printf("\n1. Add New Record\n");
    printf("2. View List of Records\n");
    printf("3. Modify Record\n");
    printf("4. View Payment\n");
    printf("5. Delete Record\n");
    printf("6. Exit\n");
}

int main()
{
    int choice;
    char phoneNumber[15];

    while (1) {
        displayMenu();
        printf("Enter your choice: ");
        scanf("%d", &choice);

        switch (choice) {
            case 1:
                addRecord();
                break;
            case 2:
                viewRecords();
                break;
            case 3:
                printf(
                    "\nEnter phone number to modify record: ");
                scanf("%s", phoneNumber);
                modifyRecord(phoneNumber);
                break;
            case 4:
                printf(
                    "\nEnter phone number to view payment: ");
                scanf("%s", phoneNumber);
                viewPayment(phoneNumber);
                break;
            case 5:
                printf(
                    "\nEnter phone number to delete record: ");
                scanf("%s", phoneNumber);
                deleteRecord(phoneNumber);
                break;
            case 6:
                return 0;
            default:
                printf("\nInvalid choice! Please try again.\n");
        }
    }

    return 0;
}
```

