C PROJECT – RECHARGE POINT

C PROJECT – Day1

Recharge Point is a standalone projects it allows users to recharge their mobiles and to see their day to day log transactions. It has two users Admin, User. Admin can add/edit/delete service providers (bsnl, airtel, idea …..), top-ups of that service providers and they can see reports. Users can see the top-ups of service providers, recharge mobiles and they can see reports.

Opening screen of the Recharge point has the following options.
1. Login
2. Signup

Enter your choice:-

If you select option 1 it navigates to next screen and read username and password. If you enter username as Admin and password as Admin it enters to the admin screen, it has the following options
1. Add Service provider
2. Add top ups
3. Delete top ups
4. Details of user
5. Day wise report
6. Service Provider wise report
7. Exit.

Enter your choice:-

If you select option 1 it navigates to next screen, it reads service provider name. After entering the name, you can create a folder SP if not exist, then create a file with serviceprovidername.bin, for example bsnl.bin and show the corresponding message and move to admin screen.

If you select option 2 it navigates to next screen, it reads service provider name and details of top ups, it adds the top up details in corresponding serviceprovidername.bin, for example bsnl.bin and show the corresponding message and move to admin screen.

```
Topup {
        char name[10]; (balance, data, message, recharge, roaming)
        char topupid[5];
        int amount;      (cost of the top up)
        int value;       (amount to be credited to the mobile)
        int validity;
}
```

If you select option 3, it reads service provider name, topup id, it deletes that particular top up in serviceprovidername.bin and shows the corresponding message and move to admin screen. Remaining options in admin screen can seen after entering the user details.

User can login using username & password, before login they must signup, if user select signup option it ask the following details,

Char Name[10], username[10], password[10];
Unsigned int phoneNo; (for some compilers use   Unsigned long int)

After entering the details, it creates a folder name users and files userLog.bin and username.bin if not exist. Then it stores userName & password in userLog.bin, if userName does not exist in the file, otherwise it shows appropriate message and asks user name again. Store Name, phoneNo in the username.bin (for example Nirvi.bin) and moves to the user screen, it has the following options
1. View Topups
2. Recharge

3. View logs by PhoneNo
4. View logs by Date.
5. Exit
Enter Your Choice:-

If user selects option 1, read service provider name and display the corresponding Topups. If user selects option 2, read the following details and store that details in username.bin

Recharge {
    char serviceprovidername[10], topupid[5];
    unsigned int phoneNo;
    unsigned short date; (you can enter only six digit number, like 050415 ever two digits
                represents date,month,year)
}

C PROJECT – Day2

If user selects option 3, read phoneNo and display the date and topup details, total amount of the given phoneNo from the username.bin.

If user selects option 4, read date and display the Recharge details takes place on given date.

Admin Screen

If admin selects option 4, read userName and display the entire userlog.

If he selects option 5, read date and display the Recharge details takes place on given date.

If he selects option 6, read service provider name and display the Recharge details takes place on given service provider name.