

## Use Case Diagram

Actors vs Use Cases:

### Actor 1:User

- Register.
- Recharge.
- Select Payment Gateway.
- Select service Provider.
- Make payment.

### Actor 2:Third Party Administrator

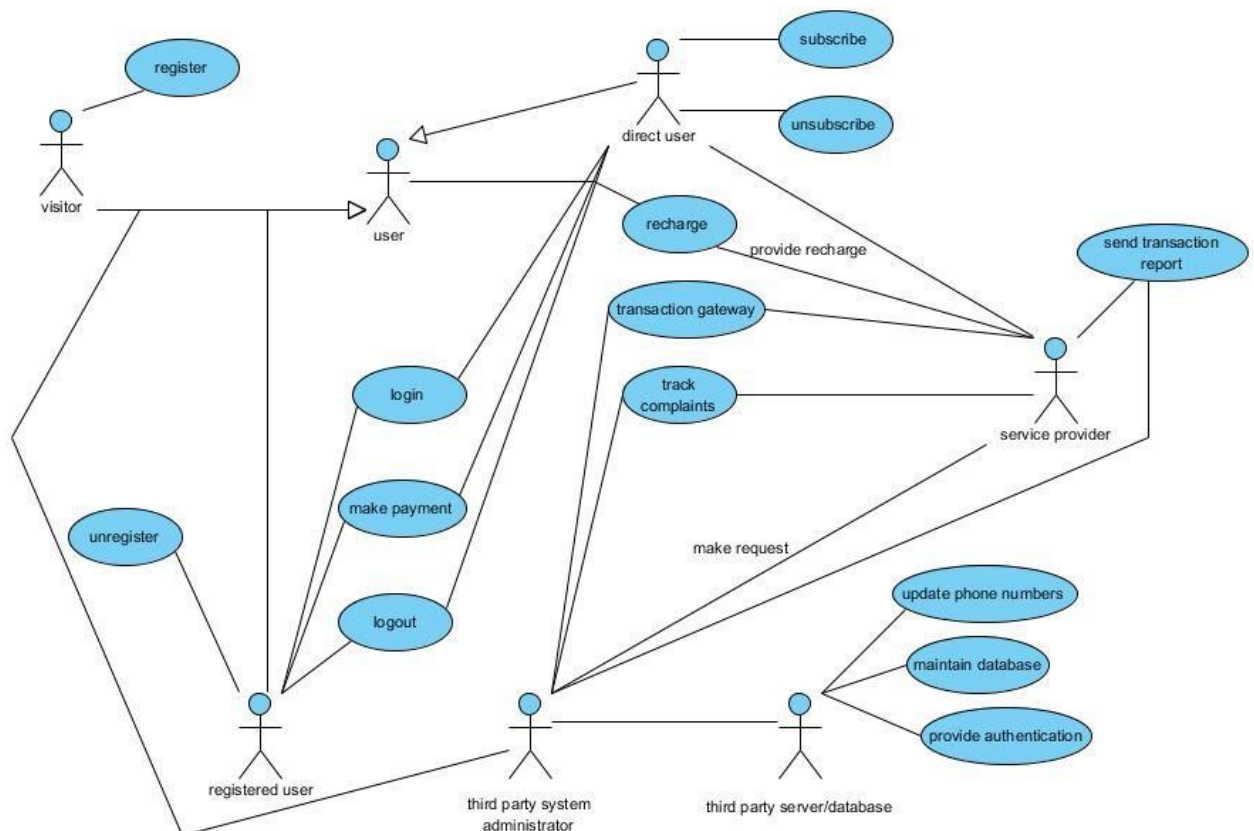
- Forward User request to Service Provider.
- Track Complaints.

### Actor 3:Third Party Server/ Database

- Authenticate the Registered users.
- Maintain the Log.

### Actor 4:Service Provider

- Recharge the user requested either directly or through the third party system.
- Provide various plans to the user.



## Activity Diagram For Online Recharge System

### Activities Delt in the System:

User login and authentication for Registered user.

Forward the request to service provider if logged in as a Administrator.

Enter service provider site for a direct user.

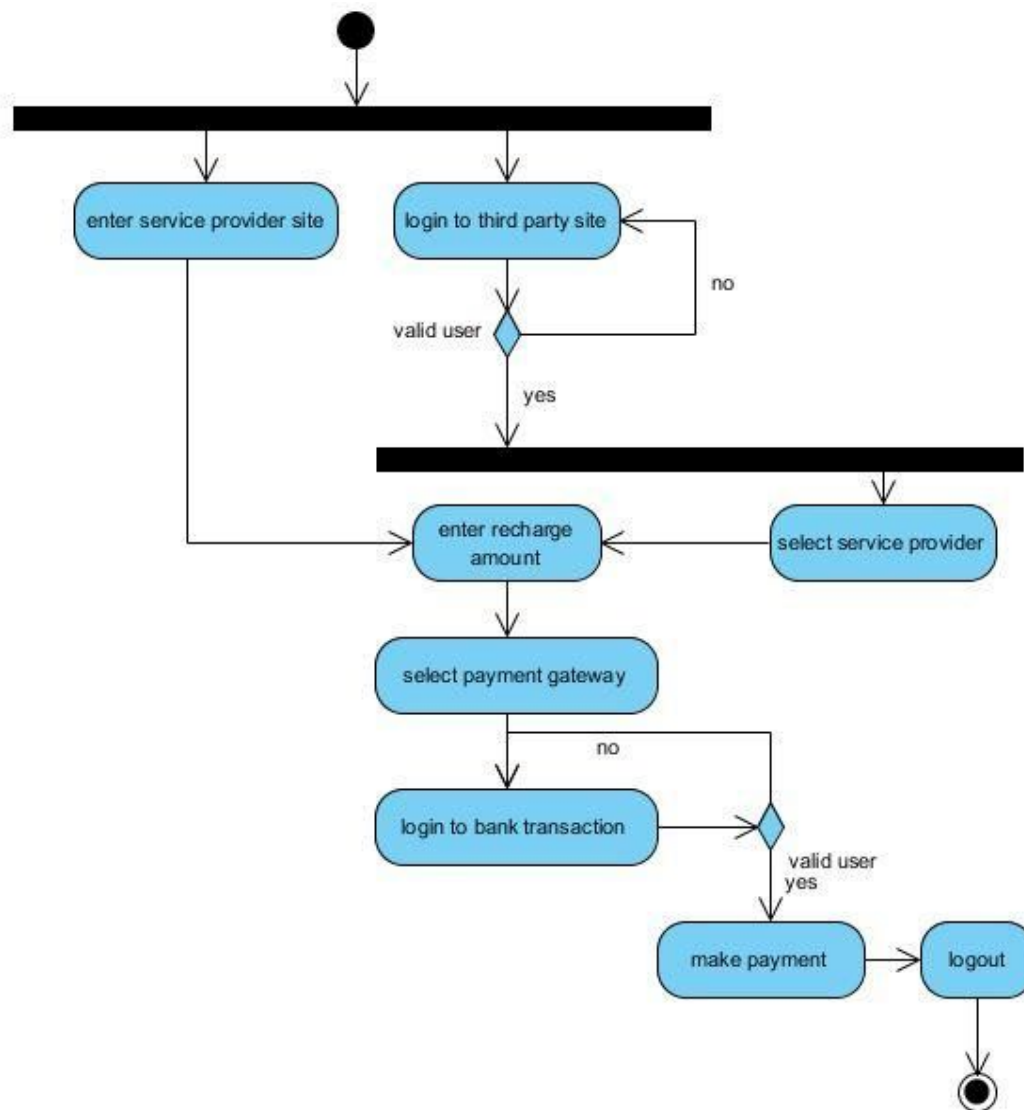
Enter recharge amount.

Select Payment Gateway.

Login and authenticate Bank Account.

Make payment.

Check for the recharge processed successfully or not.



## State Diagram

### States:

Authentication for registered users / Registration for unregistered users

Successfully logged on or re-login

Operator Selection

Show the tariff plans available and applicable

Request recharge

Go through Payment Gateway Transaction process

- Authentication to enter the gateway site

- Successfully logged on or re-login

- Payment made

Logged off.

### Transitions:

Registration ---> Authenticate ---> Logged in

Logged in ---> Operator Selection ---> Tariff Plans <---> Request Recharge

Operator Selection ---> Request Recharge ---> Payment Gateway Transaction

Payment Gateway Transaction ---> Operator Selection

Payment Gateway Transaction ---> Logged off

