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

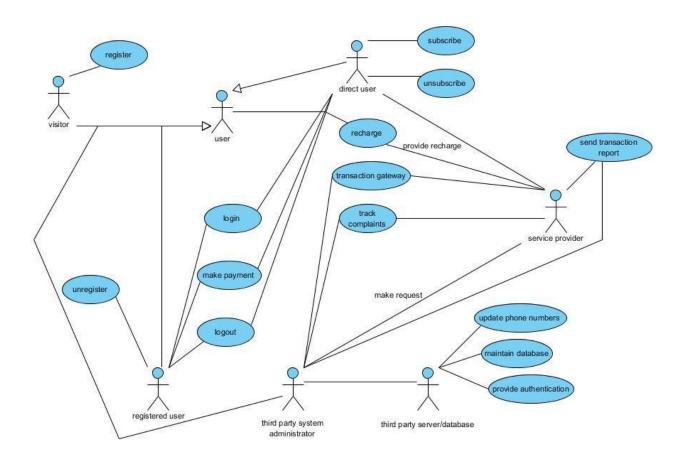
- •Forward User request to Service Provider.
- •Track Complaints.

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.

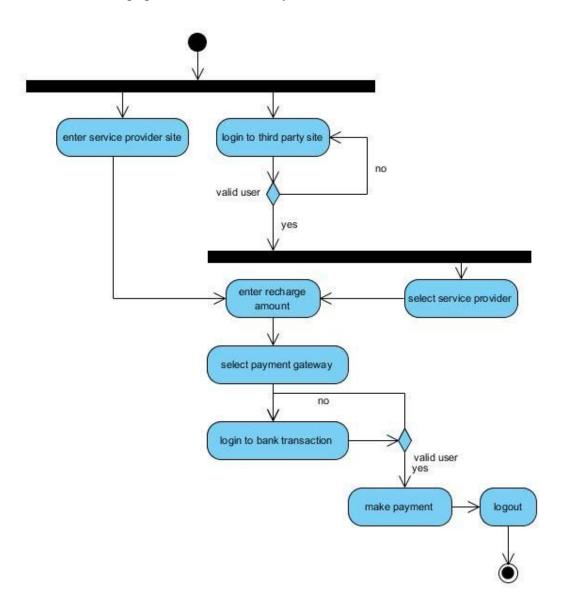
Enter recharge amount.

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:

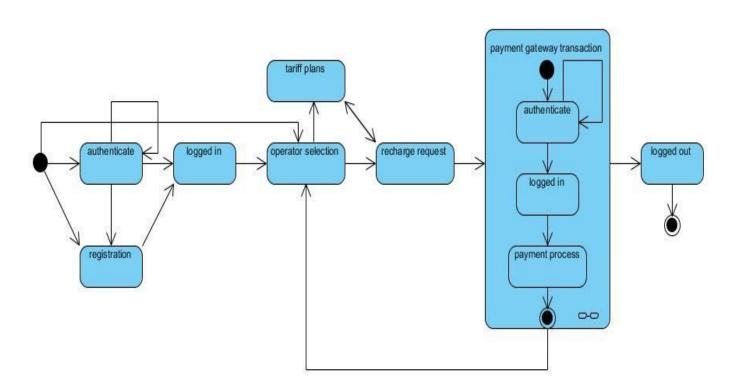
Registration ---> Authenticate ---> Logged in

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

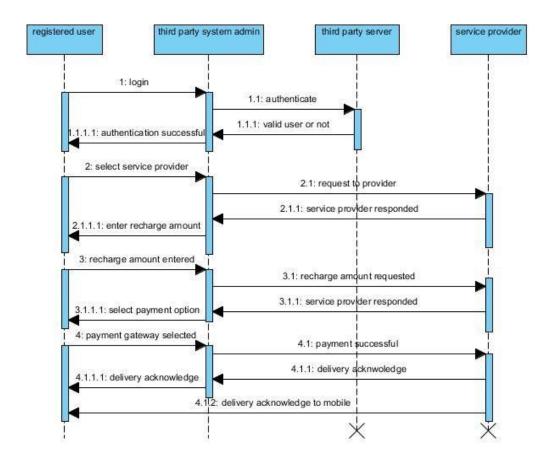
Operator Selection ---> Request Recharge ---> Payment Gateway Transaction

Payment Gateway Transaction ---> Operator Selection

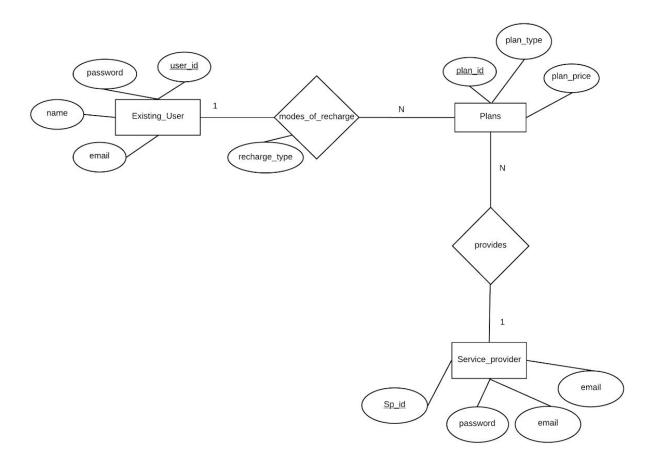
Payment Gateway Transaction ---> Logged off



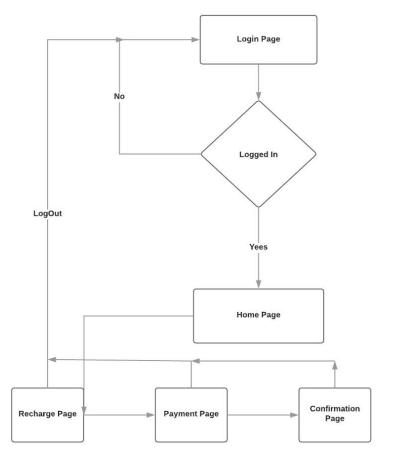
Interaction Diagram



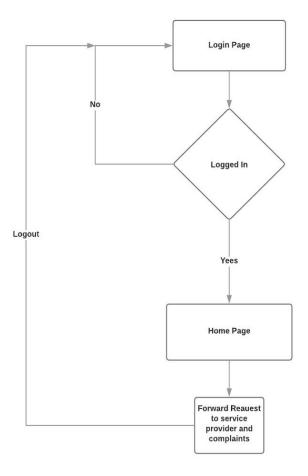
Entity Relationship Diagram



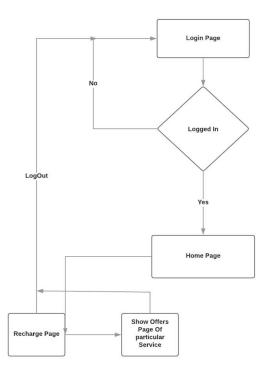
Navigation Diagrams



Recharge User Navigation



Admis



Service Provider