User Payment Process:

Use Case Name:

User Payment Process

Actors:

User, Payment Gateway, System

Description:

The user enters a mobile number and system will respond the related mobile recharge packages to the user. The user can select the prepaid or the post-paid mode and see all the plans and offers and select appropriate one. The user can select the appropriate payment option and pay for the recharge plan. The System will authenticate it and send an acknowledgement of the transaction process.

Main Scenario:

1. User Select the mobile Operator and Enters Mobile Number.
2. The Mobile Operator Responded to the user and show the recharge options.
3. User can choose prepaid or post-paid plans from the given list.
4. User can selected prepaid/post-paid plan and show all the related recharge plans and offers.
5. User can select appropriate plan.
6. System sends the payment amount to the user and admin sends the payment options.

7. User can select Credit/Debit Card, UPI id , or the bank transfer for the payment.
8. User will payment for the appropriate plan and admin mobile operator sends status of the transaction process.
9. Admin will display the transaction status.

Alternative Scenarios:

1.1   : The user enters the invalid Mobile Number.
1.2   : The system informs the user to enter valid mobile number

4.1   : The Prepaid Plan is not available.

    4.1.1 : The system sends the user message that you cannot select

        this Plan.

4.2   : The Post-paid Plan is not available.

    4.2.1 : The system sends the user message that you cannot select

        this Plan.

8.1   : The user enters invalid details for the payment.

    8.1.1   : The System sends the message that your information is

        invalid.

    8.1.2   : The user can re-enter the valid information and pay

        effectively.

Pre-Condition:

Customer is authenticated and must be logged in first.

Payment gateway integration is in place.

User must have Valid payment method with sufficient funds.

Post-Condition:

Payment is authorized.

Transaction record is generated and stored.

Customer receives a payment receipt.

Bank updates customer's account balance.

Error handling and security measures are in place.

Sequence Diagram: