Mobile Recharge system

Saravanan bs

Cit – ai&ds

Problem Statement:

The system aims to provide an intuitive user interface that caters to both customers and administrators in the mobile recharge ecosystem. For customers, the platform enables seamless mobile recharges, wallet management, referral tracking, setting reminders, and handling payments efficiently. On the other hand, the admin interface empowers system administrators to manage recharge transactions, oversee user accounts, configure and monitor offers and plans, and analyze overall system performance through detailed analytics. This dual-interface approach ensures convenience for end users while giving administrators the necessary tools to operate and optimize the platform effectively.

Functional requirements:

- **User registration and authentication**

- View plans and offers

- Recharge for a mobile number

- Add money to wallet

- View transaction history

- Content management

- Recovery and backup

- Notification centre

- Profile management

- View user details and wallet details

- Show analytics and report

Modules:

User management:

- **User:**

Users log in with registered credentials with number and otp, Users can view   and update personal details like email and username.

- **Admin:**

  Admin can see all registered users with their details like name number email, activate and deactivate user. Filters out the users according to their details.

Recharge management:

- **User:**

User enters the mobile number to be recharged, User selects a plan (data   pack, talk-time, combo, validity pack), user can download the receipt.
  Repeat last recharge in one click. User can add money to the wallet.

- **Admin:**

  Admin can view all recharge transactions in a list format. Can filter it out and Export and view details.

Plan management

- **User:**
  Users search through the list of plans and the offer available which can be used to recharge
- **Admin:**

Admin can add edit delete plan and each plan may consists of talktime, data, sms and price of the plan and each plan may or may not have offers available.

Content managment

- **Admin:**

   The admin can add the content at the landing page like the about, privacy policy, refund policy and other stuffs like the banner, FAQ.

Recovery and backup

- **Admin:**

   The data is backup is a safer storage which can be used in case of any disputes and the backup can be of any type like the manual backup or an scheduled backup and restore can be used to free the backup storage or to recover the data to the production

Report management:

- **User:**

    Personal recharge history report with the summary of most used recharge plan and amount spend this year.

- **Admin:**

    Recharge trends on a specific series of time and Graph to analyse the trends on most popular trends and revenue analysis of week month