**Online Mobile Recharge Portal**

**Project Goal :-**

To develop a user-friendly and efficient web application for a Mobile Recharge Portal that allows users to browse available recharge plans for various mobile operators, such as Jio, VI, and Airtel, select their desired options, and complete payments.

**Project Scope :-**

The Online Mobile Recharge Portal will provide a user-friendly interface where users can select their mobile operator, enter their mobile number, choose a recharge plan, and complete the payment. Users can manage their accounts, view transaction history, and track recharge activities. An admin panel will allow administrators to manage recharge plans, oversee user accounts, and analyse recharge data based on time periods like weekly or monthly.

**Functional Requirements:**

* **User Registration and Authentication :** Secure login and registration for users.
* **Mobile Operator Selection :** Allow users to choose their mobile operator.
* **Mobile Number Entry :** Enable users to input their mobile number.
* **Search Recharge Plans :** User can find search recharge plan via amount/data.
* **Recharge Plan Selection:** Provide options to select recharge plans.
* **Recharge Confirmation :** Notify users of successful recharges via email/SMS.
* **Transaction History :** Display past transactions to users.
* **Account Management :** Allow users to update account details and preferences.
* **User Feedback Handling :** Enable users to submit feedback or queries.
* **Admin Panel :** The admin panel will enable administrators to manage recharge plans, user accounts, view transaction data, generate reports, and oversee user activities.

**R.1 User Registration and Authentication**

**Description :** Users can securely register, log in, and manage their account on the system.

**R.1.1 User Registration**

**Input:** Name, Password, Email.

**Output:** Successfully created user account.

**R.1.2 User Login**

**Input :** Email and Password.

**Output :** Successful login and access to the portal's main page.

**R.1.3 User Authentication**

**State :** User is attempting to log in with their credentials.

**Input :** Valid or invalid login credentials.

**Output :** If valid, successful login; otherwise, error message displayed.

**R.2 Mobile Operator Selection**

**Description :** Users can choose a mobile operator from available options (e.g., Jio, Airtel, VI).

**R.2.1 Select Mobile Operator**

**Input :** User selects an operator from a list.

**Output :** List of mobile number that are save.

**R.3 Mobile Number Entry**

**Description :** Users input their mobile number for recharging.

**R.3.1 Enter Mobile Number**

**Input :** Mobile number.

**Output :** List of recharge plan.

**R.4 Search Recharge Plans**

**Description :** Users can search recharge plans based on the amount or data options.

**R.4.1 Search Recharge Plans**

**Input :** Search query (amount or data).

**Output :** List of available recharge plans based on the search criteria.

**R.5 Recharge Plan Selection**

**Description :** Users select a recharge plan after reviewing options.

**R.5.1 Select Recharge Plan**

**Input:** User selects a recharge plan.

**Output:** Selected plan displayed and ready for payment.

**R.6 Recharge Confirmation**

**Description :** Notify users of successful recharge via email/SMS.

**R.6.1 Send Recharge Confirmation**

**Input :** Successful payment and recharge details.

**Output :** Confirmation sent via email/SMS.

**R.7 Transaction History**

**Description :** Users can view their transaction history.

**R.7.1 View Transaction History**

**Input :** User requests transaction history.

**Output :** Display past transactions (recharge details, dates, amounts).

**R.8 Account Management**

**Description :** Users can manage their account details and preferences.

**R.8.1 Edit User Profile**

**Input :** User submits changes to account details (name, email, password).

**Output :** Updated account details.

**R.9 User Feedback Handling**

**Description :** Enable users to submit feedback or queries regarding the service.

**R.9.1 Submit Feedback**

**Input :** Feedback or query from the user.

**Output :** Successfully submitted feedback/query.

**R.10 Admin Panel**

**Description :** Admins can manage recharge plans, users, transaction data, and generate reports.

**R.10.1 Manage Recharge Plans**

**Input :** Add, update, or remove recharge plans.

**Output :** Successfully managed recharge plans.

**R.10.2 Manage User Accounts**

**Input :** View and modify user accounts (suspend, delete).

**Output :** Admin successfully manages user accounts.

**R.10.3 View Transaction Data**

**Input :** Admin selects time period for transaction data analysis.

**Output :** Display recharge data by week, month, or year.

**R.10.4 Generate Reports**

**Input :** Admin requests a report (recharge trends, user activity).

**Output :** Generated and downloadable reports.