

Business Requirements Document (BRD)

Project Title

Subscription Management & Sharing Platform

Overview

This system is intended to manage OTT, mobile, and broadband subscriptions, including plan tracking, sharing, and payment status visibility. The platform will be delivered as a hybrid solution comprising a web application (React + Node.js) and an Android mobile application (React Native).

The application supports two primary roles: **Admin** and **User**. The Admin manages subscriptions and sharing, while Users can view subscriptions shared with them and track their payment status.

1. User Roles

1.1 Admin

- Registers and logs in like a normal user
- Creates and manages subscriptions
- Shares subscriptions with specific users
- Tracks payment status of shared users
- Can switch between Admin View and User View

1.2 User

- Registers and logs in
 - Views subscriptions shared with them
 - Views individual payment status
 - Manages profile information
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2. User Registration & Authentication

2.1 Registration Requirements

Users must register with the following details: - Name - Email ID - Phone Number - Password - Date of Birth - Gender

2.2 Login Requirements

- Login using **Email ID or Phone Number**
 - Password-based authentication
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3. Admin View – Subscription Management

3.1 Admin Dashboard

- Admin has a dedicated dashboard
 - Admin can toggle between:
 - Admin View
 - User View
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3.2 Subscription Creation & Management

Admin can create subscriptions for the following categories: - OTT - Mobile - Broadband

3.2.1 Subscription Attributes

Attribute	Description
Service Name	Name of OTT / Mobile / Broadband service
Category	OTT / Mobile / Broadband
User (Owner)	Me / Friend / Mom / Dad / Wife / Sister
Login Username / Phone	Login credential used for the service
Password	Password for the service
Purchased Date	Date of subscription purchase
Start Date	Auto-filled from purchased date (editable)
Amount	Total subscription amount
Plan Type	Monthly / 3 Months / 6 Months / Yearly / Custom
Custom Duration	Manual days / months / years (if custom)
End Date	Auto-calculated from plan and start date (editable)
Purchased Via	GPay / Redeem Points / Credit Card
Auto Pay	Boolean (True / False)
Next Purchase Date	Auto-calculated from end date
Device Limit	Maximum number of devices allowed
Devices in Use	Number of devices currently in use
IDs Using	Users or non-registered persons using the service
Comments	Free-text notes
Shared	Yes / No

3.3 Subscription Sharing Rules

If a subscription is marked as **Shared = Yes**: - Admin specifies: - Number of people sharing - Registered users with whom the plan is shared - Shared Amount is auto-calculated: - **Total Amount ÷ Number of shared users** - Payment status is tracked per shared user: - Paid - Not Paid

Non-registered users may be listed for tracking purposes, but payment status applies only to registered users.

4. Sharing & Visibility Logic

4.1 Visibility Rules

- Only the following users can view a shared subscription:
- Admin (Owner)
- Users explicitly shared with

Example: - Subscriptions: Netflix, Amazon Prime, Mobile Plan - Amazon Prime shared with user *Navin* - Admin user *Sathish* is the owner - Amazon Prime is visible only to Sathish and Navin

4.2 Payment Visibility

- Shared users can view:
 - Their share amount
 - Their payment status
 - Admin can view payment status of all shared users
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5. User View

5.1 User Dashboard

- Users can view only:
- Subscriptions shared with them
- Subscriptions owned by them (if applicable)

5.2 Display Format

- Subscriptions displayed in:
- Grid view or
- Tile/Card view

Each subscription shows: - Service Name - Category - Validity period - Amount or shared amount - Payment status

6. User Profile Management

Users can: - Edit profile details - Update profile image - Logout from the application

7. Assumptions & Constraints

- Admin is also treated as a normal user for visibility
 - Only Admin can create or edit subscription details
 - Users have read-only access to shared subscriptions
 - No payment gateway integration (payment tracking only)
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8. Out of Scope

- Automated payments or billing
 - OTP-based authentication
 - Multi-admin hierarchy or roles
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9. Future Enhancements (Not Part of Current Scope)

- Payment gateway integration
- Expiry reminders and notifications
- Multi-device login tracking
- Analytics and usage reports