✍️ Product requirements

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Epic	Not linked to Jira
Document status	IN PROGRESSING
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🎯 Objective

This app aims to provide a simple and dedicated platform for anyone to post help requests, lost & found alerts, and important announcements within their community.

Goal	Background and strategic fit
Goals • Our goal is to create a mobile-first application for local community communication. • We want users to easily create and join communities (like hostels, clubs, flats). • We aim to reduce the clutter and confusion caused by WhatsApp groups.	**Background and strategic fit** In many shared spaces like hostels and student clubs, people face issues like losing items, missing announcements, or not knowing who needs help — mainly because communication happens through unorganized WhatsApp groups. Our research shows that: • Over 80% of college and hostel users rely on mobile phones to stay updated.

- We want each post to stay active and visible until it's resolved, promoting accountability.

- Many users forget to scroll up long message threads and miss important updates.
- There's no proper way to track if a request for help was resolved or not.

This app fills that gap by providing a focused platform that:

- Encourages users to connect meaningfully inside their community.
- Keeps posts visible until resolved.
- Measures usage through metrics like user count, post frequency, and activity levels.

🤔 Assumptions

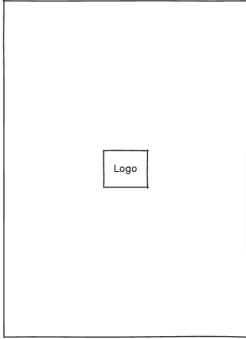| Assumption |
| --- |
| Users have access to smartphones and internet. |
| Users understand English or Malayalam. |
| Community-based posting is useful for daily needs. |
| Firebase Auth works smoothly with selected login method. |
| Users prefer app over existing WhatsApp groups. |

📋 Requirements

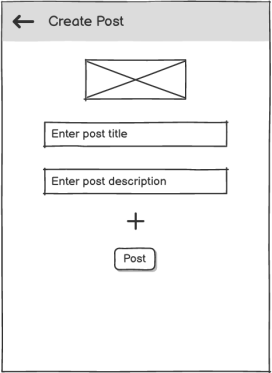| Requirement	User Story	Importance	Jira Issue	Notes

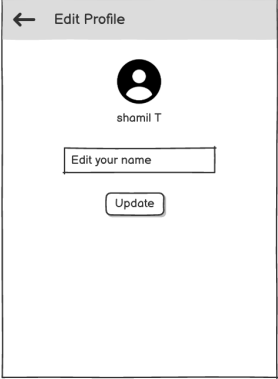|				
User must be able to sign up	As a new user, I want to sign up with name, email, and password so I can use the app.	HIGH	–	`sign_up` screen
User must be able to log in	As a returning user, I want to log in securely so that I can access my profile and posts.	HIGH	–	`login` screen
Create and join communities	As a user, I want to join or create communities so I can post relevant content.	HIGH	–	`communities`, `create_community`
View community feed with post categories	As a user, I want to view posts by type (Help, Announcement, Lost & Found).	HIGH	–	`community_posts` tabs
Create a post in selected community	As a user, I want to create a post with title and description	HIGH	–	`create_post` screen

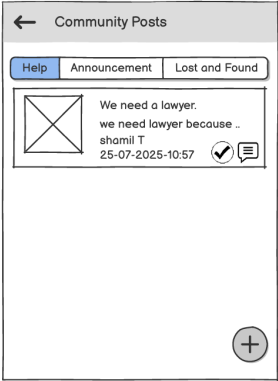|				
	so others can see it.			
Comment on posts	As a user, I want to add comments under posts so I can discuss or clarify.	MEDIUM	–	`comments` section (assumed screen)
Edit profile	As a user, I want to update my name from my profile screen.	LOW	–	`edit_profile` screen
View joined communities	As a user, I want to see which communities I have joined in one place.	MEDIUM	–	`my_profile` screen
Admin panel for post/member management	As a community admin, I want to manage posts and members in my group.	MEDIUM	–	`admin_panel(posts)` & `members`

🎨 User interaction and design

			Functionality

1	Splash Screen		Displays the logo for 2–3 seconds, then automatically navigates to the Login Screen.
2	Login Screen		User can enter email and pass word. On tapping Login: 1. If valid: navigates to Community Feed Screen. 2. If invalid: shows error message. "Don't have an account?" link navigates to Sign Up Screen.
3	Sign Up Screen		User can enter name, email, and password. On tapping Sign Up: 1. Creates account in Firebase. 2. Navigates to Community Feed Screen. "Already have an account?" link → Login Screen.

4	Create Post Screen		- Users can: - Upload an image (via placeholder or "+" icon) - Enter a **post title** and **description** - Tap **"Post"** to submit - Back arrow navigates to the previous screen (e.g., community feed) - Data gets saved to backend (e.g., Firebase, database) upon posting
5	Profile Screen		**User Info**: - Displays name, email, and profile image/icon **Edit Profile**: Opens profile update screen **Logout**: Logs the user out of the app **Joined Communities**: - Lists names and descriptions

			• Back arrow navigates to previous screen (likely dashboard or community feed)
6	Edit Profile Screen		• User can edit their display name in the input field. • Tapping the **Update** button saves the new name. • Back arrow returns to **Profile Screen** without saving.
7	Create Community Screen		• User can enter a **community name** and **description**. • On tapping **Create**, the community is added to the database. • The user is then navigated back to the **Community List / Feed**.

			• The back arrow discards changes and returns to the previous screen.
8	Community Posts Screen		• Users can switch between post types using tabs. • Each post card displays: • Title & short description • Username & timestamp • Icons to mark as resolved ✅ or comment 💬 • FAB (+ button) → navigates to **Create Post** Screen. • Back arrow returns to **previous screen** (e.g., community feed).

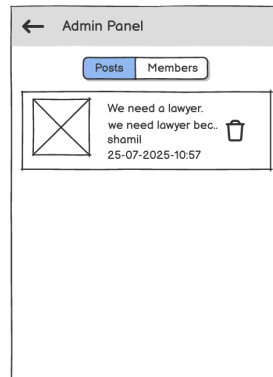| 9 | Community Posts Screen | | - Tab switching between **Help**, **Announcement**, and **Lost and Found**.
- Post card includes:
  - Image placeholder
  - Post content
  - User name & time
  - Mark as resolved ✅ and comment 💬 icons
- Back button navigates to previous screen.
- Admin button may open admin tools.
- FAB (+) opens **New Post** screen. |

10	Admin Panel		• **Tabs**: Switch between **Posts** and **Members**. • **Post Management**: • Shows image, title, and short description • Displays post author and timestamp • Trash icon 🗑 allows admin to delete the post • **Back arrow** navigates to the previous screen.

Admin Panel

← Admin Panel

Posts Members

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