🟢 PART 1 — Final MVP Feature Set (Must Build in 24 Hours)

These MUST be included and working.

✔ Resident Module

- Login
- Dashboard (bills, notices, complaints)
- Raise Complaint
- View Bills
- View Visitors
- Notices

✔ Admin Module

- View all complaints
- Update complaint status
- Upload notices

✔ Security Guard Module

- Add visitor entry (manually)

✔ Backend

- Firebase Auth (role-based)
- Firestore Collections
- FlutterFlow UI connected to backend
- GitHub commits

✔ AI Assistant

- Simple ChatGPT integration — for elderly help

🔥 **This is your guaranteed working MVP.**

🟡 PART 2 — "Should-Have" Features (Add if time remains)

Very useful, but can be postponed until after MVP.

✔ Feature: Resident Rating System

Useful for community bonding:

- Residents can rate community services
- Rate events
- Rate helpers (maids, plumbers, drivers)
- Rate committee decisions

Possible MVP:

- 5-star rating widget
- Stored in Firestore
- Display average rating

Placement:

→ Resident Module

→ Admin Module (view ratings)

Reason it fits:

Existing apps do not have community opinion insights.

You will.

✔ Feature: Real-Time Events ("Flat 102 hosting dinner…")

This is excellent because it promotes **community engagement**.

You can implement:

- Resident posts event
- Event is shown on dashboard
- Others can "mark interest"
- Admin can approve or reject events (optional)

Placement:
→ Resident Module: Create Event
→ Admin Module: Approve Events
→ Dashboard: Show live events
Very easy to build in FlutterFlow:
- Event card UI
- Firestore collection: events
- Fields: Title, description, host, time, isApproved

🔴 PART 3 — Advanced Features (Only Add If Extra Time Exists + Want Extra Points)
These are high-value features that judges will admire.

⭐ 1. Role-Based Dashboards (Resident / Admin / Security)
This makes your app feel REAL and professional.
Resident Dashboard
- Bills
- Notices
- Complaints
- Events
- Ratings

Admin Dashboard
- Approve events
- Manage complaints
- See visitor logs
- Manage announcements
- See reports

Security Guard Dashboard
- Add visitors
- Mark visitors exit
- Emergency calls
- Incident reporting

Advantage:
Existing apps have this, but are complex → yours will be simple & easy.

⭐ 2. SOS / Emergency Button
- Resident presses SOS
- Admin + Security receive alert
- Seen live in Firestore

⭐ 3. Domestic Help Tracking
- Maids
- Plumbers
- Delivery persons

Security marks:
- In
- Out

Admin sees logs.

⭐ 4. Permissions Module
Admin can:
- Approve events