🟢 **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

- Approve visitor passes
- Block residents
- Assign roles

⭐ **5. Analytics (Very Easy with Firebase)**

Admin can see:

- Number of complaints
- Most common issue categories
- Average visitor count
- Monthly bill collection analysis

🔵 **PART 4 — Final Feature Categorization Table**

This is the cleanest possible segmentation for hackathon judges.

⭐ **MVP FEATURES (Must Build)**

Category	Feature
Resident	Login, Dashboard, Bills, Complaints, Notices
Security	Add visitors, view visitor logs
Admin	Manage complaints, upload notices
AI	Simple chatbot for elderly
Backend	Firebase Auth, Firestore, Rules
GitHub	Regular commits
Demo	FlutterFlow run mode + Firebase

⭐ ⭐ **SHOULD-HAVE FEATURES (If time permits)**

Category	Feature
Resident	Event posting (flat 102 hosting dinner)
Resident/Admin	Rating system (services/events)
Admin	Approve events
Dashboard	Real-time event listing

⭐ ⭐ ⭐ **ADVANCED FEATURES (For extra points)**

Category	Feature
Security	Incident reports, exit logs
Admin	Analytics dashboards
Resident	Community board
All	Multi-language (English + Telugu/Hindi)
AI	Smart assistant for billing + events explanation
SOS	Emergency alert system

🟣 **PART 5 — Features That Turn Competitor Weaknesses Into Your Strengths**

❌ **Existing apps are complex →**
⭐ **Your design is simple, elderly friendly, large buttons**
❌ **No AI guidance →**
⭐ **You have ChatGPT assistant for help**
❌ **Community features missing →**

⭐ **Real-time events + rating system**
❌ **Too admin-heavy →**
⭐ **Role-based dashboards**
(Security vs Admin vs Resident)
❌ **Costly →**
⭐ **Lightweight, open-source alternative**