|  |  |
| --- | --- |
| Auth | Login & Security |
| User Management | Manage User Info |
| SOS Alert | Emergency Help |
| Notification | Community Messages |
| Event Management | Announce & RSVP Events |
| Feedback | Gather Suggestions/Complaints |
| Admin Dashboard | Admin Control Panel |
| Notification Delivery | Auto Alerts via SMS |
| Visitor managment | Visitor data |

Modules

**AUTH SERVICE**

Handles login/register for both Admin and User roles.

Issues JWT tokens.

USER MANAGEMENT SERVICE

Responsibilities:

Manage user profiles & approval status

Store preferences

Admin can see only users in their assigned community

Endpoints:

GET /users/{id} – 🔒 USER, ADMIN

PUT /users/approve/{id} – 🔒 ADMIN

PUT /users/preferences/{id} – 🔒 USER

**SOS ALERT SERVICE**

Responsibilities:

User sends emergency alert

Admin receives in real-time

Store alerts, support fallback

Endpoints:

POST /sos/send – USER

GET /sos/pending – ADMIN

GET /sos/history/{userId} – USER, ADMIN

POST /sos/acknowledge/{sosId} – ADMIN

**NOTIFICATION SERVICE**

Responsibilities:

Admin sends in-app alerts

Auto fallback if not seen

Track seen/unseen

Endpoints:

POST /notifications/send – ADMIN

GET /notifications/unread/{userId} – USER

POST /notifications/mark-seen – USER

GET /notifications/history/{userId} – USER, ADMIN

**EVENT MANAGEMENT SERVICE**

Responsibilities:

Admin adds events

Users RSVP, bookmark

Endpoints:

POST /events – ADMIN

PUT /events/{id} – ADMIN

GET /events – USER

POST /events/rsvp/{eventId} – USER

POST /events/bookmark/{eventId} – USER

GET /events/bookmarked – USER

**FEEDBACK SERVICE**

Responsibilities:

Users submit issues/suggestions

Admin reviews and resolves

Endpoints:

POST /feedback/add – USER

GET /feedback/user/{userId} – USER

GET /feedback/unresolved – ADMIN

PUT /feedback/resolve/{id} – ADMIN

**ADMIN SERVICE**

Responsibilities:

Get profile

Dashboard access (user list, feedback, SOS, etc.)

Endpoints:

GET /admins/me – ADMIN

GET /admins/sos-alerts – ADMIN

GET /admins/feedback – ADMIN

NOTIFICATION DELIVERY SERVICE

Responsibilities:

Send SMS

Endpoints:

POST /delivery/sms – internal

**VISITOR MANAGEMENT SERVICE**

Responsibilities:

Allow admins to create staff accounts

Allow staff (internally flagged users) to add visitor entries

Allow users to view visitors who visited them

Endpoints:

Admin-only

POST /staff – Create a new staff user

Access: ADMIN

Body: name, email, phone, communityId, etc.

GET /staff – Get all staff users

Access: ADMIN

DELETE /staff/{id} – Delete a staff user

Access: ADMIN

GET /visitors/all – View all visitor logs in the community

Access: ADMIN

Staff-only (Internally flagged USER)

POST /visitors – Log a new visitor entry

Access: USER (must be isStaff=true)

Body: visitorName, residentId, visitDate, purpose, etc.

GET /visitors – View all visitors logged by this staff member

Access: USER (must be isStaff=true)

User (Resident)

GET /visitors/mine – View visitors who visited me

Access: USER (uses JWT to match user ID/email)