

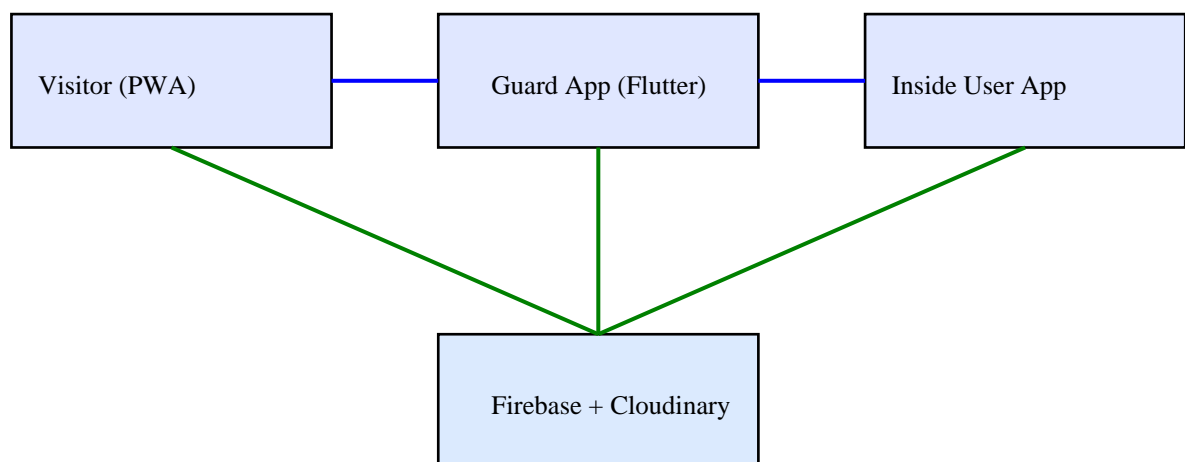
Visitify – Smart Visitor & Delivery Management System

Docs by Ayush Kumar

Abstract

Visitify is a smart visitor and delivery management system designed to simplify and secure entry operations in societies, offices, hostels, and residential complexes. It provides three interconnected modules — a PWA for visitors, a mobile app for security guards, and another app for residents or internal users. The system ensures real-time tracking, visitor verification, and smooth entry approval using modern technologies like Flutter, Firebase, and Cloudinary.

Workflow Diagram



Workflow Explanation

1. **Visitor (PWA):** Visitors scan a QR code placed at the gate. They are redirected to a lightweight Progressive Web App (PWA) where they enter their details, such as name, phone number, purpose, and vehicle number. They must capture a live photo (not from gallery) for verification.
2. **Guard App:** The security guard receives real-time visitor requests. The guard can

approve, reject, or manually add a visitor or delivery person. Each visit is logged with entry and exit times.

3. **Inside User App:** Residents or office staff receive instant notifications about visitors. They can pre-add expected visitors, approve guard-added requests, and monitor visit history.

4. **Backend (Firebase + Cloudinary):** Firebase manages authentication, real-time database updates, and cloud functions, while Cloudinary securely stores visitor photos.

Tech Stack Summary

Component	Technology Used	Description
Visitor Module	HTML, CSS, JavaScript (PWA)	Lightweight web app for visitors to register and verify.
Guard & Inside User App	Flutter + Firebase	Mobile applications for guards and residents with real-time updates.
Database	Firebase Firestore	Stores visitor logs, approvals, and user data.
Storage	Cloudinary	Stores visitor live photos securely.
Authentication	Firebase Auth	Manages users (guards, residents, admin).

Use Case Summary

Visitify can be deployed in societies, hostels, corporate offices, residential complexes, and gated communities. It ensures controlled access, transparent visitor tracking, and reduces manual errors — providing a secure, tech-enabled entry management experience.