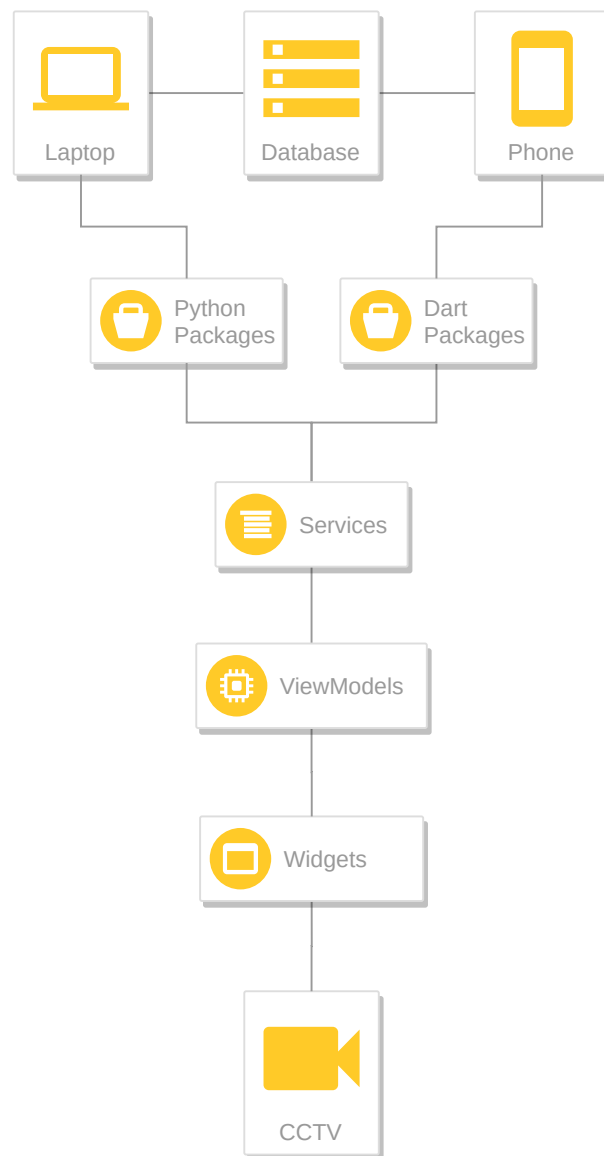




 **PSPOT**
Data stored to our NoSQL
database **Cloud Firestore**



 Cloud Functions

 Cloud Firestore



User Management

Subsystem

Authentication
Authorization
Data validation



Customer Management

Subsystem

Search Parking Building
Reservation



Main Management

Subsystem

Scan License Plate
Parking Manager



Payment Management

Subsystem

Payment Catalog
Payment Process

/users/user_uid

- + user_uid: string
- + providers: string
- + identifier: string
- + created: timestamp

/reservation/
license_plate_no

- + license_plate_no: string
- + date_time: timestamp
- + building: string

/customers/uuid

- + uuid: string
- + created: timestamp
- + driving_license_no: number
- + license_plate_no: array
- + full_name: string
- + date_of_birth: timestamp
- + gender: string
- + nationality: string
- + kebele: number
- + kefle_ketema: string
- + house_no: string
- + phone_no: string
- + email: string
- + emergency_contact: string
- + emergency_phone_no: string

/parking_space/building

- + building: string
- + vehicle_counter: number

/parking/
license_plate_no-date_time

- + license_plate_no: string
- + building: string
- + date_time: timestamp
- + gate: string

/payment/license_plate_no-
month_year

- + license_plate_no: string
- + payment_date_time: timestamp
- + parked_hours: number
- + total_price: number
- + tax: number



PSPOT
Firestore saves data
in a /collection/document
format