**Android Upload API (v1) — Spec**

**Auth**

* **Bearer token** in header: Authorization: Bearer <API\_TOKEN>
* Configure in .env:  
  ANDROID\_API\_TOKEN="put-a-long-random-string-here"
* Middleware: reject if missing/invalid; 401 JSON.

**Endpoints**

**1) Open / ensure today’s visit**

**POST** /api/visit/open  
Body (JSON):

json

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{ "uid": "250001" }

Behavior:

* Validate UID (6 digits).
* If no visit for **today** exists → create visit { id, uid, date=today, created\_at }.
* Return visit summary + pet/owner basics.

Response 200:

json

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{

"ok": true,

"visit": {

"id": 1234,

"uid": "250001",

"date": "2025-08-10",

"wasCreated": true

},

"pet": {"unique\_id":"250001","name":"Bruno","species":"Canine","breed":"Labrador"},

"owner": {"name":"Ravi Sharma","mobile":"9876543210"}

}

**2) Upload attachment (photo/PDF)**

**POST** /api/visit/upload (multipart/form-data)

Fields:

* uid (string, required) — 6-digit Unique ID
* type (string, required) — one of rx|photo|doc|xray|lab|usg|invoice
* file (binary, required) — image/pdf
* note (string, optional)
* forceNewVisit (bool, optional) — if true, create a new visit even if one exists today (handles morning/evening)

Behavior:

* Ensures a visit (today) unless forceNewVisit.
* Stores file at /storage/patients/{YYYY}/{UID}/DDMMYY-{type}-{UID}(-NN).ext
* Inserts attachments row linked to visit.
* Returns attachment metadata.

Response 201:

json

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{

"ok": true,

"visitId": 1234,

"attachment": {

"id": 7890,

"type": "rx",

"filename": "100825-rx-250001.jpg",

"url": "/files/patient/2025/250001/100825-rx-250001.jpg",

"created\_at": "2025-08-10T14:22:05+05:30"

}

}

**3) Get today’s visit (for quick confirmation)**

**GET** /api/visit/today?uid=250001  
Response 200:

json

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{

"ok": true,

"visit": { "id": 1234, "date": "2025-08-10" },

"attachments": [

{"id":7890,"type":"rx","filename":"100825-rx-250001.jpg"},

{"id":7891,"type":"photo","filename":"100825-photo-250001-02.jpg"}

]

}

**4) (Optional) List by date**

**GET** /api/visit/by-date?uid=250001&date=2025-08-09

**Storage & Files**

* Directory: /storage/patients/{YYYY}/{UID}/
* Filenames: DDMMYY-{type}-{UID}(-NN).ext
* Allowed types: jpg,jpeg,png,pdf,webp (configurable).
* Max file size (default): 10 MB (configurable).
* Server verifies MIME and extension; rejects otherwise (415).

**Minimal Admin Viewer (stop-gap)**

* **GET** /admin/visit/view?uid=250001&date=2025-08-10 (admin-auth)
  + Shows visit header + list of attachments with thumbnails/links.
  + This is read-only; edit/complete screens come later.

**Tables (lightweight additions)**

We’ll add two small tables (if not already covered by your current schema):

* visits
  + id PK, uid (char(6) FK→pets.unique\_id), visit\_date (date), created\_at
  + unique key (uid,visit\_date,sequence) where sequence default 1; increment when forceNewVisit=true
* attachments
  + id PK, visit\_id FK→visits.id, type enum, filename, filesize, mime, note, created\_at

This keeps it minimal. We can extend later with doctor, vitals, etc.

**Errors (JSON)**

* 401 unauthorized: { "ok": false, "error": "unauthorized" }
* 400 validation: { "ok": false, "error": "uid\_required" }
* 404 unknown UID: { "ok": false, "error": "uid\_not\_found" }
* 415 type/format not allowed: { "ok": false, "error": "unsupported\_media\_type" }
* 500 server: { "ok": false, "error": "upload\_failed" }

**Android Flow (real-world)**

1. Scan barcode/QR → UID
2. POST /api/visit/open → get/ensure today’s visit id
3. Tap “Upload Prescription” → capture photo → POST /api/visit/upload (type=rx)
4. Upload patient photo (type=photo) / lab (type=lab) etc.
5. If second encounter same day → set forceNewVisit=true on first upload of session

**Quick cURL tests**

bash

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# 1) Open

curl -s -X POST https://yourdomain/index.php/api/visit/open \

-H "Authorization: Bearer YOUR\_API\_TOKEN" \

-H "Content-Type: application/json" \

-d '{"uid":"250001"}' | jq

# 2) Upload

curl -s -X POST https://yourdomain/index.php/api/visit/upload \

-H "Authorization: Bearer YOUR\_API\_TOKEN" \

-F "uid=250001" -F "type=rx" -F "note=front" \

-F "file=@/path/to/prescription.jpg" | jq

# 3) Get today

curl -s "https://yourdomain/index.php/api/visit/today?uid=250001" \

-H "Authorization: Bearer YOUR\_API\_TOKEN" | jq

**Defaults I’ll implement (unless you want changes)**

* Token: .env key ANDROID\_API\_TOKEN
* Allowed types: jpg,jpeg,png,pdf,webp
* Max size: 10 MB
* Visit per day unless forceNewVisit=true
* Filenames & storage per your confirmed convention
* Minimal admin **read-only** viewer page