1. Authentication Endpoints

✅ POST /api/auth/login - User login

✅ POST /api/auth/logout - User logout

✅ POST /api/auth/register - New user registration

✅ GET /api/auth/user - Get current user profile

✅ PUT /api/auth/user - Update user profile

2. Camera Management

✅ GET /api/cameras - List all cameras

✅ GET /api/cameras/:id - Get camera details

✅ POST /api/cameras - Add new camera

✅ PUT /api/cameras/:id - Update camera details

✅ DELETE /api/cameras/:id - Remove camera

✅ GET /api/cameras/:id/stream - Get camera livestream URL

✅ GET /api/cameras/status - Get connection status for all cameras

3. Alert Management

✅ GET /api/alerts - List all alerts with pagination

✅ GET /api/alerts/:id - Get specific alert details

✅ PUT /api/alerts/:id/status - Update alert status (new/confirmed/dismissed)

✅ GET /api/alerts/summary - Get alert statistics (daily/weekly/monthly counts)

✅ GET /api/alerts/video/:id - Get video file for specific alert

4. Authorized Faces

✅ GET /api/faces - List all authorized faces

✅ GET /api/faces/:id - Get specific face details

✅ POST /api/faces - Add new authorized face

✅ PUT /api/faces/:id - Update face details

✅ DELETE /api/faces/:id - Remove authorized face

✅ POST /api/faces/verify - Verify if a face matches an authorized person

5. Notification Settings

✅ GET /api/notifications/settings - Get notification preferences

✅ PUT /api/notifications/settings - Update notification preferences

✅ POST /api/notifications/test - Send test notification

6. Admin Endpoints

✅ GET /api/admin/users - Get all users (admin only)

✅ PUT /api/admin/users/:id - Update user (admin only)

✅ GET /api/admin/system-status - Get system status metrics

✅ GET /api/admin/subscription - Get subscription details

✅ PUT /api/admin/settings - Update system settings

🟩 Your Django backend should consider these main data models:

✔ User - Authentication details and user profiles

✔ Camera - Camera details, connection info, and status

✔ Alert - Incident records with metadata and references to videos

✔ AuthorizedFace - Facial recognition data for authorized people

✔ NotificationSetting - User's notification preferences

✔ SystemCheck - Scheduled system diagnostics and updates

🟩 API Response Format

For consistency, consider standardizing API responses:

{

"success": true,

"data": {},

"message": "",

"errors": []

}

🟩 Authentication

Consider implementing JWT (JSON Web Token) authentication:

✔ Token-based authentication with refresh tokens

✔ Role-based access control for admin features

✔ Proper CORS configuration for your frontend domain

🟩 File Storage

For video clips and face images:

✔ Implement secure direct upload URLs

✔ Consider using Django REST framework for file uploads

✔ Use proper content delivery solution for video streaming