API FLOWCHART - LMS BACKEND SYSTEM

1. USER AUTHENTICATION
• POST /api/auth/register
• POST /api/auth/login
• Middleware: verifyToken
• Middleware: allowRoles

2. COURSE MANAGEMENT (ADMIN ONLY)
• POST /api/course/create
• GET /api/course/all
• GET /api/course/:id
• PUT /api/course/update/:id
• DELETE /api/course/delete/:id
• POST /api/course/assign-trainer

3. BATCH MANAGEMENT (ADMIN ONLY)
• POST /api/batch/create

4. TRAINER & STUDENT ENROLLMENT
• POST /api/enroll/course
• POST /api/enroll/batch
• POST /api/enroll/trainer-batch

5. VIDEO MANAGEMENT
Admin:
• POST /api/videos/upload/default → Default videos
Trainer:
• POST /api/videos/upload → Course + Batch videos
(Protected: trainerCourseBatchAccess)

6. VIDEO ACCESS (STUDENT)
• GET /api/videos/student
→ If NOT assigned → Only default videos
→ If assigned → default + course + batch videos

7. SECURITY RULES
• Trainer cannot upload to unassigned batches
• Trainer cannot create courses/batches
• Student cannot upload videos
• Admin is superuser (full access)