

Shadanga Kriya

A Unit of **PL SIX TELE PI PRIVATE LIMITED**

Flat No. 101, Plot No. 2, Navanirman Society,
Ranapratap Nagar, Nagpur - 440 022 (MS)

Audio-Based Training Courses App

Work Scope

1. App Overview

The app provides **audio-based therapy courses** for registered users. Basic organization information is publicly visible, while **course access is restricted** to authenticated users with admin-provided credentials.

2. User Roles

- End User (Learner) • Admin (Super Admin – Web Panel) • Sub Admin
(On-site facilitator / instructor)
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3. End User Mobile App

3.1 Public (No Login Required)

- Organization information:
 - About organization
 - Vision / mission
 - Gallery (images only)
 - Contact information
- No course or audio access without login.

3.2 Authentication

- Login using **Admin-provided User ID & Password**
 - No public signup
 - Password reset handled via admin only
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3.3 Courses Listing

- View assigned / purchased courses
 - Course details: ○ Course name ○ Course type:
 - Self-conducted
 - On-site (admin location)○ Description
 - Total lessons
 - Duration
 - Status (Locked / Active / Completed)
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3.4 Course Purchase

- Payment gateway:
 - Razorpay or Easebuzz
 - Payment flow:
 - Select course
 - Make payment
 - Or course activated by admin
 - Payment history available to user
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3.5 Lesson Structure

- Each course contains **multiple lessons**
- Lesson properties:
 - Audio frequency file

- Duration: **60–70 minutes**
 - Instruction note (earphones/sound system guidance)
- Lessons must be completed **sequentially**
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3.6 Lesson Start Protocol (Mandatory Checks)

Before starting a lesson:

- Show instructions:
 - Enable **Flight Mode**
 - Connect **wired or wireless earphones**
 - Ensure uninterrupted focus
 - With user's consent app must **verify**:
 - Flight mode ON
 - Earphones connected
 - Lesson will not start until conditions are met
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3.7 Audio Playback Rules (Strict)

- Audio plays **inside the app only**
- Audio file:
 - Cannot be downloaded
 - Cannot be accessed via file manager
 - Encrypted & streamed to secure local storage
- **Playback rules**:
 - No seeking
 - No background playback
 - Screen lock optional (admin configurable)

3.8 Pause Control Logic

- Max **3 pause attempts per lesson**

- After 3 pauses:
 - Lesson auto-skips OR locks
 - User may request **additional 3 pauses**
 - Admin approval required
 - Pause count visible to admin
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3.9 Offline-Only Lesson Mode

- Lesson can start **only in offline mode**
 - Internet must be disabled once lesson begins
 - App enforces:
 - Offline playback
 - No background apps interruption (best effort)
 - Once internet is available again:
 - Lesson progress
 - Pause count
 - Completion status

→ **Auto-sync to server**
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3.10 On-Site Course Flow

- Sub Admin marks **attendance**
 - Attendance mandatory before lesson unlocks
 - Lesson starts only after:
 - Attendance marked
 - Protocol checklist confirmed
 - Same pause & offline rules apply
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3.11 User Progress & History

- Lesson completion status
- Course progress percentage
- Completed / pending lessons

- Payment & course history
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4. Admin Web Panel (Super Admin)

4.1 Authentication

- Secure login (email + password)
 - Role-based access control
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4.2 User Management

- Create users manually
 - Assign login ID & password
 - Activate / deactivate users
 - Reset credentials
 - Assign courses to users
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4.3 Course Management

- Create / edit courses
 - Define:
 - Course type (Self / On-site)
 - Price
 - Lessons
 - Upload encrypted audio files
 - Set lesson duration & rules
 - Activate / deactivate courses
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4.4 Lesson Control

- View lesson-wise statistics:
 - Played
 - Completed

- Skipped
 - Pause count
 - Grant additional pause attempts
 - Reset lesson if required
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4.5 Payment Management

- View transactions
 - Payment gateway configuration
 - Manual course activation if needed
 - Download payment reports
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4.6 Sub Admin Management

- Create sub admin accounts
 - Assign location / course access
 - Control permissions:
 - Attendance/remark marking
 - Session supervision
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4.7 Attendance Management (On-site)

- View attendance logs
 - User-wise & session-wise tracking
 - Export attendance reports
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4.8 Analytics & Reports

- Course-wise completion
- User engagement

- Lesson interruption data
 - Payment summaries
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5. Sub Admin Panel (Web / Tablet Friendly)

- Login with admin-provided credentials
 - View assigned on-site courses
 - Mark attendance
 - Start / supervise sessions
 - View basic session reports
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6. Security & Compliance

- Encrypted audio storage
- Secure playback (no external access)
- Offline enforcement
- Device-level checks (flight mode, earphones)
