

## USER ACCOUNTS & AUTHENTICATION

### A. Account Creation & Login

- Email/password authentication via Supabase
  - OAuth options setup (Google, Apple, Facebook) [nice-to-have, safe to skip if time-constrained]
  - Profile setup form with:
    - Name
    - Month and year of birth
    - Favorite artist
    - Top 3 music genres (ranked)
    - User type selector (Human or Bot)
    - Demographic data fields (age, race [optional], parent education)
  - Generate encrypted nickname and ID upon signup
  - Session timeouts and expiration
  - Admin ability to enable/disable accounts
- 

## LEARNING MANAGEMENT SYSTEM (LMS)

### B. Roles & Permissions

- Role-based access system: Admin, Instructor, Provider, Participant (Student)
- The dashboard displays a shared layout but with role-specific components toggled
- Providers can view Instructor content (read-only) and vice versa
- Admins can access all content across roles

### C. Courses & Modules

- Display of **6 preloaded courses**
- Each course includes:
  - Course title and description

- Intended role/audience label (e.g., Instructor, Provider)
  - 6 modules per course (More or Less)
- Module includes:
  - Lesson objectives
  - Associated multimedia content (audio, video, PDFs)
  - Toggle for content visibility by Admins
  - Read receipts for media viewed per user
  - Role-specific access control per media file

## **D. Assessments**

- Assessments inside modules with:
  - Multiple choice (auto-grade)
  - True/False (auto-grade)
  - Fill-in-the-blank (manual review)
  - Free text responses (manual review)
- Logic for tracking progress across assessments
- Progress data tied to user profile

## **E. Calendar**

- Display course/module deadlines
- Track progress over time
- Suggested learning paths for CEU users

---

## **TAG & TALK SYSTEM**

### **F. Tagging Interface**

- Song segmentation logic:
  - 0–48s
  - 49–120s

- 120+ seconds
- Tag lyrics/audio/video in specific segments
- Select tag themes from predefined list (e.g., violence, identity, resilience)
- Track tag history per user for analysis
- Store tagged content for future review
- Display tags within the course module when applicable

## **G. Talk Interface**

- Prompted discussions based on tags
- Chat logic:
  - 3-user, 3-message rotation before prompting “continue live chat?”
  - Character counter in text box
  - Admin control for max character limit
- Tag-to-discussion linking logic
- Role-specific access to join and respond to discussion threads

## **H. T&T Moderation & Privacy**

- Only logged-in users can tag or talk
- Instructor moderation dashboard:
  - Approve/reject tags
  - Remove inappropriate discussions
- Tags stored with anonymous encrypted IDs
- Analytics view for tag frequency and discussion activity (MVP version – log-only)

---

## **INFRASTRUCTURE & BACKEND TASKS**

### **I. Database & API Setup**

- Supabase schema aligned to:
  - Users

- Roles
  - Courses
  - Modules
  - Media files
  - Assessments
  - Tags & Discussions
- ERD refined for client visibility
- Read receipt tracking schema
- Demographic logging fields stored securely
- Tag and chat logs linked to user IDs but stored with anonymity

## **J. Hosting & Deployment**

- Hosting setup for live preview
- Database connected securely to frontend
- Local testing of component features
- Dev/Prod environments separated if possible

---

## **UI & USER FLOW**

### **K. Dashboard**

- Dynamic dashboard layout for all user types
- Tabs for:
  - Courses
  - Assignments
  - T&T
  - Profile
- Visual indicators for progress, unread modules, and unread discussions

### **L. Profile Page**

- Editable profile info
- Favorite genre + artist
- AI-friendly design with optional avatar (Dr. Juju) [low priority]

#### **M. Visuals & Usability**

- Student-friendly graphics (fonts, colors, layout)
  - Avoid corporate color palette
  - Emphasize accessibility: large buttons, text readability
  - T&T guided messages to support user journey
- 

### **SUMMARY OF DELIVERABLES TO COMPLETE IN 2 WEEKS**

- Functional login + profile system
- Role-based dashboard with dynamic views
- Display 6 courses with 6 modules each
- Loadable multimedia + assessment content per module
- Progress tracking + read receipts
- Working T&T interface with tag + chat logic
- Basic moderation and logging tools
- Finalized Supabase structure + ERD
- Live hosting using Netlify