

Project Brief: Multi-Tier LMS & Tutor Marketplace

Project Overview: A simplified blueprint of how the web application will function, its features, and user workflows.

On one side, it acts as a structured school website where students can access classes and complete exercises. On the other side, it functions as a service marketplace where parents can browse teacher profiles, negotiate via live chat, and hire them for private interactive lessons.

The 4 User Roles

To keep the website organized and secure, anyone logging in will be assigned one of four specific roles, changing exactly what they see on their screen:

- **The Admin:** This user will have full oversight of the entire platform. He or she can monitor site activity, view financial reports, and manually review and approve teacher applications before they are allowed to list their services on the site.
- **The Teachers / Tutors:** Teachers get a private dashboard where they can build their online courses, list their hourly or per-lesson prices, set their calendar availability, and manage their bookings.
- **The Parents / Guardians:** Parents use the site to manage their children's education. They can search for tutors, use a built-in live chat to interview teachers before hiring them, securely pay for lessons online, and track their children's progress.
- **The Students:** The end-users. Their dashboard is strictly simplified so they don't get distracted. They can only see their active classes, launch live Zoom lessons, view homework deadlines, and take quizzes.

How the Learning Material is Organized

To make the website easy to navigate, all educational content follows a strict, clean structure:

1. **Class:** The highest level (e.g., *SS1*).
2. **Subject:** Found inside the class (e.g., *Mathematics*).
3. **Topic:** Found inside the subject (e.g., *Algebra*).
4. **Lessons & Exercises:** The actual text, videos, and quizzes the student interacts with (e.g., *Lesson 1: Solving for X*).

Features to Include

we are including three premium automation features:

- **Parent-to-Student Account Bridging:** Instead of sharing passwords, a parent account is digitally "linked" to their child's account. This gives the parent a private view to check quiz scores, see failing grades, and verify if homework is being completed on time.
- **Automated Split Commissions:** We don't have to manually collect fees or bill teachers. When a parent pays for a lesson, the system automatically takes your platform's cut (e.g., a 15% commission) and sends it straight to the admin wallet, routing the remaining 85% to the teacher.
- **Escrow Payment Protection:** To build absolute trust, when a parent books a teacher, the website safely holds the money in a locked queue. The money is only released and paid out to the teacher *after* they successfully log in and complete the scheduled live lesson, (or anyway you want it).

Third-Party Connections

To keep the website running automatically without us needing to do manual administrative work daily, we hook the site up to three essential industry tools:

- **The Zoom Video Linker:** Teachers never have to manually copy, paste, or email Zoom links. The exact second a parent books and pays for a lesson block, the website automatically talks to Zoom, generates a private meeting room, and places the "Join Lesson" button directly on the student's screen.
- **The Payment Gateway:** A payment processor that handles the credit card safety, processes the refunds if a lesson is canceled, and safely handles the split payouts.
- **The Text Message Alerter (Twilio):** Keeps everyone moving by sending automatic SMS text messages directly to parents' phones (e.g., *"Your lesson with Mr. Smith starts in 15 minutes! Here is your quick login link."*)