**9/11/2025 Thursday  
Short Summary** of what we completed today ✅

**✅ KotuBrief Backend – Database & Storage Setup Summary (Today)**

**📦 1. Tables Created in Supabase:**

* profiles – user info linked to Supabase Auth
* books – both public (scraped) and private (user-uploaded) books
* summaries – 1-min / 10-min / 30-min summaries
* audio\_summaries – generated audio per summary
* questions – Q&A asked by users for each book
* user\_library – tracks which books a user liked or saved

**🔐 2. RLS Policies Implemented:**

**profiles**

* Users can only read/update/insert their **own** profile

**books**

* user\_id IS NULL → public book (scraped)
* user\_id = auth.uid() → private book (uploaded by user)
* Users can only read/update/delete their **own books**

**summaries / audio\_summaries**

* Public if book is scraped
* Private if book is user-uploaded
* Users can only access if they own the book or it’s public

**questions**

* All users can **read all questions**
* Only logged-in users can **ask questions** linked to books

**user\_library**

* Each user can only read/add/remove **their own saved books**

**🗂 3. Supabase Storage Buckets Created:**

* book-covers – stores book thumbnails / images
* book-pdfs – stores PDF uploads
* audio-summaries – stores TTS-generated audio (MP3)

**🔐 4. Storage RLS + Path-Based Access:**

* public/<book\_id>/file.ext → open to all
* <user\_id>/<book\_id>/file.ext → only owner can access
* All 3 buckets secured with:
  + SELECT if public or owner
  + INSERT, UPDATE, DELETE → only if owner
* RLS is **confirmed as enabled** on all 3 buckets