**Quizz App - Project Overview**

You're being asked to **rebuild an existing FileMaker-based Quiz App** as a modern **web application**.  
This app is **training-focused** (not just a test) and covers **GDPR (General Data Protection Regulation)** topics.

**⏱️ Timeline & Scope**

* **Original FileMaker development time**: ~1.5 months
* **Target time for web app rebuild**: **1- 2 months**
* Existing assets include:
  + FileMaker project
  + ~70-page Word doc detailing all screens
* Existing system contains:
  + 8 tables
  + 800 fields
  + 30 UI screens
  + 60 scripts (mostly simple, 3 complex — e.g., quiz generation logic)
  + ~10 media assets

**🧑‍💻 User Roles**

There are **3 main user roles**:

1. **Administrator**
   * Full access to everything (you, the product owner)
2. **Learner**
   * End user taking quizzes
3. **Client Manager**
   * Your B2B customer
   * Can:
     + Manage learners
     + Select questions for quizzes
     + Store quizzes

**📋 Quiz & Question Logic**

* **Question Types**:
  + Single choice
  + Multiple choice
  + True/False
* **Categories**:
  + 9 total (e.g., General Knowledge, Security, Outsourcing, etc.)
* **Question Assignment Logic**:
  + Learners don't all get the same questions
  + Filtering is based on:
    1. Department (e.g., Finance, Marketing)
    2. Maturity Level
    3. Difficulty Level

**📊 Statistics Dashboard**

You'll need to implement **detailed analytics**, including:

* **Per question**: Correct/incorrect rates, categories, etc.
* **Per quiz**: Completed vs. pending, total created, etc.
* **Per learner**: Performance and progress tracking

**🧑‍💼 Clients (Multi-tenant Support)**

Each **client (company)** will have their own:

* Learners
* Questions
* Quizzes
* Media (logo, images, etc.)
* Email templates
* Language/localization settings

Clients will be able to:

* Create and manage multiple quizzes
  + Use cases: Onboarding, training validation, security audits, etc.

**✉️ Email Notifications**

Support for **3 automated email types**:

1. Invitation
2. Reminder
3. Congratulations

(Mailing must support per-client customization and language preferences.)

**🌍 Internationalization**

* The platform must be **multilingual** (UI + emails + quiz content).
* Each client chooses their own default language.

**🔧 Tech Expectations**

* You'll rebuild everything from scratch as a **web app**.
* Tech stack is flexible, but should support:
  + Scalable user management
  + Role-based access control
  + Dynamic quiz generation logic
  + Multi-tenancy (client isolation)
  + Email delivery (e.g., via SendGrid or similar)
  + Media storage (logo, docs, etc.)
  + Localized content (i18n)

**✅ Deliverables**

* Web application (frontend + backend)
* Admin dashboard
* Learner interface
* Client/manager dashboard
* Analytics module
* Email integration
* Multilingual support
* Source code with documentation