

Project Name:

Syaqa - Moroccan Driving Learning Platform

1. Problem Statement

Learning traffic laws and driving rules in Morocco is often a challenge for many candidates. Access to traditional training is limited by several factors:

- Lack of schedule flexibility
- Need to travel to a training center
- Absence of digital solutions suitable for structured and in-depth learning

Today, most e-learning platforms for driving are designed primarily for smartphones, limiting the user experience for those who prefer or require a more suitable environment for in-depth learning (large screen, ergonomic interface, keyboard/mouse navigation).

2. Solution

Our platform offers a PC/Mobile experience with:

- Interactive courses
 - Quizzes
 - Interface optimized for large screens
 - Intuitive navigation
 - Immersive and structured learning for preparing for the Moroccan driving license exam.
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3. Key Features

User Roles

- ✓ **Candidates:** Online registration, document submission, courses.
- ✓ **Monitors:** Posting course videos, Creating Categories.
- ✓ **Admins:** Validating registrations, moderating Courses, managing moniteurs.

Registration & Documents

- **Online Registration:** Via email + document upload (ID card).
- **Admin Validation:** Accepting or rejecting submissions.

Learning Center

- **Courses:** Downloadable videos.

Evaluations

- **Quizzes:** Multiple-choice tests automatically corrected.
- **Progress Tracking:** Scores and activity history.

Administrative Tools

- **Content Moderation:** Approve/reject/delete.
 - **Dashboard:** Scores, progress.
 - **Monitors management:** Adding, Modifying, Deleting.
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4. Technical Requirements

Frontend (React.js)

- **Candidate Portal:** Course dashboard, quizzes.
- **Monitor Portal:** Content publishing interface.
- **Admin Portal:** Moderation, analytics.

Backend (Laravel)

- **Access Control:** Role-based permissions.
- **APIs:**
 - Document upload/validation.

Database (PostgreSQL)

- **Data Storage:** Documents and Courses.
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5. Example Workflow

1. **Candidate Registration:** Ahmed registers, uploads his ID card.
 2. **Admin Validation:** After verification, Ahmed's account is activated.
 3. **Learning:** Ahmed studies the road code, takes quizzes.
 4. **Monitor:** Publishing new Courses and Creating new Categories .
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Conclusion

Syaqa aims to modernize driving education in Morocco by providing a comprehensive, interactive, and adaptable digital platform for all learners.