

Parc Platform

USER ROLES

Admin

- Full control of schedules, trainers, and materials.
- Uploads and assigns training content.
- Monitors trainer performance and student progress.

Trainer

- Onboards by filling profile details.
- Can only access schedules assigned by admin.
- Can view (but not download) training materials linked to their scheduled classes.
- Can administer quizzes to students.

FULL WORKFLOW

Trainer Onboarding

- Trainer visits portal → “Sign Up”.
- Fills onboarding form (Name, Email, Phone, Expertise, Experience, ID proof).
- Admin reviews and approves trainer account.
- Once approved → trainer can log in.

Admin Material Management

- Admin uploads materials (PDF, PPT, Docs, Videos).
- Materials stored securely in backend.
- Metadata stored (title, course, type, etc.).
- Materials are NOT visible to trainers by default.

Scheduling a Class

- Admin selects Trainer, College, Course, Date & Time, Materials.
- Materials get linked to that schedule.
- Until a schedule is assigned, trainer CANNOT see any materials.

Trainer Dashboard

- Trainer sees upcoming schedules.
- Opens assigned materials (secure viewer, no download).

Student Interaction

- Auto-generated quizzes for each course.
- Students attempt → scores saved → leaderboard updated.

Reporting & Tracking

- Admin monitors trainer activity and student results.

TECH STACK

Frontend (React.js)

- React + TailwindCSS
- react-pdf for PDF rendering
- Secure video player
- Role-based access routing

Backend (Django + DRF)

- JWT authentication
- Role-based access
- Models: User, TrainerProfile, Material, Schedule, Quiz, Student, Leaderboard

Database: PostgreSQL

Storage: Local (MVP) or AWS S3 with signed URLs

Security: Inline rendering, restricted downloads

USER FLOW

1. Trainer signs up → admin approves
2. Admin uploads materials
3. Admin schedules class → assigns trainer + materials
4. Trainer logs in → sees schedules
5. Trainer views materials (no download)
6. Students take quiz → leaderboard updated
7. Admin monitors trainer & student performance