

LMS Role Workflows

Application: Robotics Academy LMS Platform
Roles: Admin | Student | Parent | Child (Kids)
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1. Platform Overview

Role	Entry Module	Login	Self-Register
Admin	modules/admin/	Email + password	Yes
Student	modules/student/	Email + password	Yes
Parent	modules/kids/	Email + password	Yes
Child (Kids)	modules/kids/	Child username	No (parent creates)

Admin manages users, courses, programmes, demos, and payments. Students self-enroll and learn workforce/adult courses. Parents manage children and enroll grade-matched kids courses. Children learn under parent access and schedule controls.

2. Admin Workflow

2.1 Entry & Authentication

```
modules/admin/login.php
-> POST api/auth/login.php (role=admin)
-> Session: admin_id, admin_logged_in
-> modules/admin/admin_dashboard.php
Logout -> api/auth/logout.php -> login.php
```

2.2 Main Menu Areas

Menu Group	Key Pages
Dashboard	admin_dashboard.php
Users	students.php, kids.php, instructors.php
Courses	course_management, workshops, course_programmes, reports
Demo	demo_sessions, demo_requests, demo_sessions_report
Operations	questions, payments, pending_carts, empty_carts
Master Data	course_categories, grade_rules
Documents	documents_students, documents_instructors
System	reports, settings, events

2.3 Typical Admin Flows

A. Create & publish a course

```
Course Management -> Add Course (wizard)
-> Curriculum Builder -> Content Studio -> Publish
```

B. Programme batch delivery

```
Course Programmes -> Create programme
```

-> Programme Sessions -> Allot Students
-> Send credentials -> Programme Reports

C. Demo flow

Demo Requests -> Demo Sessions -> Send invitations -> Report

D. Platform settings

Settings -> Email Notifications ON/OFF
-> Student Activation Required/Bypassed
-> Send Test Email (mail_from in app.local.php)

3. Student Workflow

3.1 Entry & Authentication

```
register.php -> api/student/register.php
-> [If activation required] activate.php?token=
-> login.php -> api/auth/login.php
-> student_dashboard.php
```

When Student Email Activation is Bypassed, account is active immediately and no activation email is sent.

3.2 Navigation

Area	Page
Dashboard	student_dashboard.php
Browse	course_catalog, workshop_catalog
My Learning	my_courses, my_workshops
Cart & Pay	cart -> checkout -> payment_success
Learning	lesson_player, materials, learning_access
Assignments	assignments/submit_assignment.php
Account	profile, payment_history, certificates, settings

3.3 Typical Student Flows

Free course:

```
Catalog -> Enroll (free) -> My Courses -> Lesson Player
```

Paid course:

```
Catalog -> Cart -> Checkout -> Payment -> My Courses
```

Programme access:

```
programme_login.php -> Lesson Player (programme credentials)
```

4. Parent Workflow

Parents use modules/kids/ - there is no separate modules/parent/ folder.

4.1 Entry & Authentication

```
kids/register.php -> api/auth/register.php (role=parent)
-> kids/login.php -> parent_dashboard.php
```

4.2 Navigation

Section	Pages
Dashboard	parent_dashboard.php
Children	children_list, add_child

Enrollment	enroll_courses.php
Tracking	schedules, child_progress_*
Control	child_settings, child_my_courses

4.3 Parent Flows & Rules

Register -> Add Child -> Enroll Course (grade-matched kids course)
Child Settings: login on/off, time limits, per-course access

Kids enrollment rules: course audience must be 'kids'; grade_label must match child grade; parent enrolls on behalf of child.

5. Kids (Child) Workflow

5.1 Entry & Authentication

```
kids/login.php (child username + password)
-> child_dashboard.php -> child_my_courses.php
-> child_lesson_player.php
```

5.2 Child Access Rules

Allowed: modules/kids/*, modules/courses/*, modules/assignments/*

Blocked: payments, admin, student portal

Parent can disable course access, set time windows, or disable child account.

6. Cross-Role Interactions

Interaction	How It Works
Admin -> Student	Create, enroll, programme allot, credentials
Admin -> Parent/Kids	admin/kids.php, parent_profile.php
Student -> Admin	Demo requests, cart/payment records
Parent -> Child	Create account, enroll, control access
Student vs Kids	Student = adult courses; Kids = grade K-12 via parent

7. Authentication Comparison

	Admin	Student	Parent	Child
Session key	admin_id	student_id	parent_id	child_id
Login	Email	Email	Email	Username
DB user row	Yes	Yes	Yes	No (lms_children)
Token	DB validated	DB validated	DB validated	Light check
Self-register	Yes	Yes	Yes	No

8. Payment & Enrollment Summary

Student: Catalog -> Cart -> Checkout -> Payment -> My Courses

Parent: Kids catalog -> enroll_child_course API -> Child Lesson Player

Admin: Manual enroll / programme allot -> Student or programme access