



ScholarOs

ONE SCHOOL. ONE OPERATING SYSTEM.

TECHNICAL & COMMERCIAL PACK · SEPTEMBER 2026

Architecture, ownership & pricing.

A decision document for school leadership, procurement, finance, and technical teams comparing subscription, one-time, and source-code routes.

Currency

Kenya shillings (KES)

Architecture

Modern web + REST API

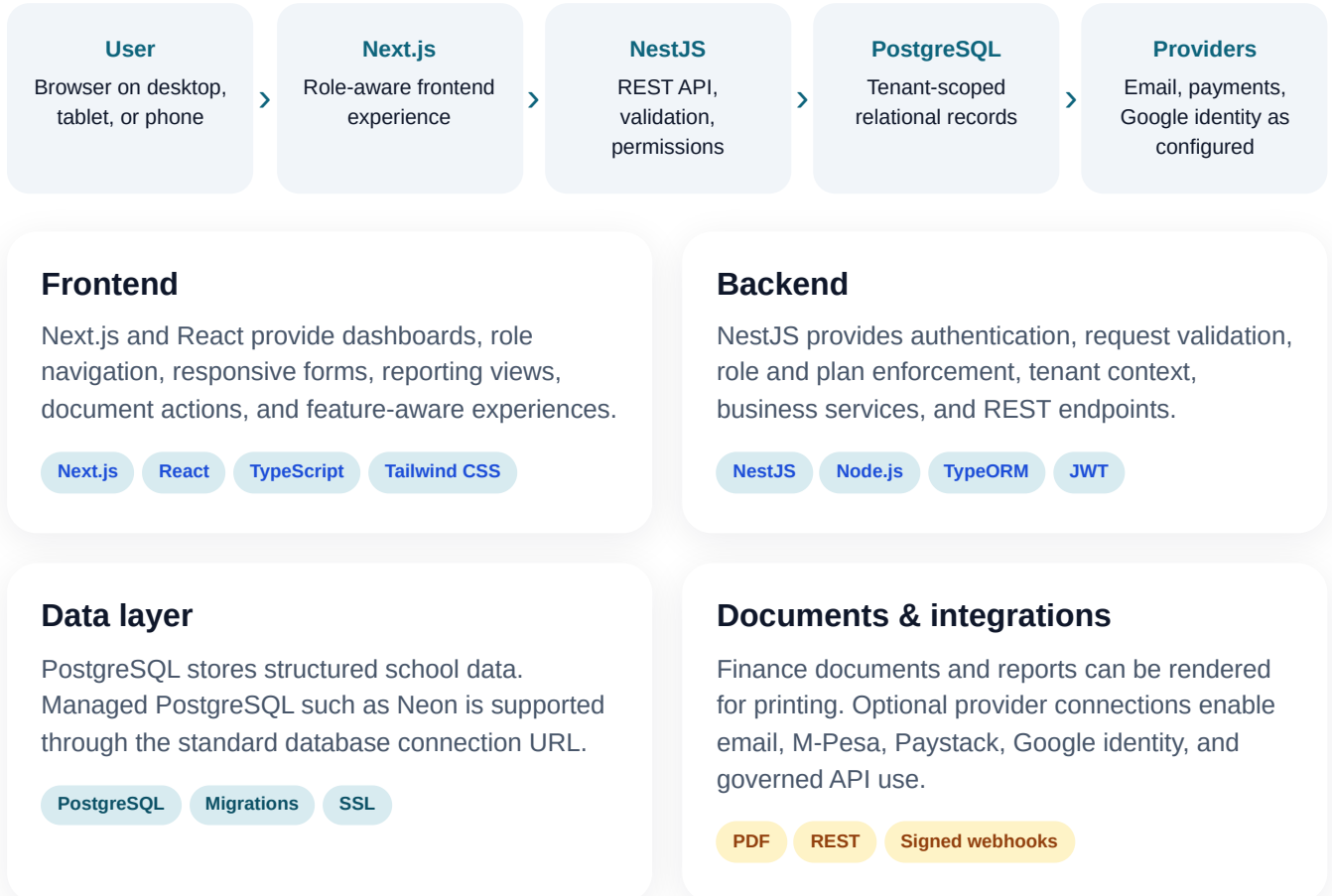
Commercial paths

Cloud, one-time & source

BUILT AS A MODERN WEB PLATFORM

A clear separation of experience, logic, and data

ScholarOs uses a browser-based client, a service API, and a relational data layer. This separation supports controlled evolution, integration, testing, and deployment.



Deployment note: exact infrastructure, regions, monitoring, backup retention, domains, and provider accounts are confirmed in the implementation scope.

DEFENSE IN LAYERS

Identity and tenant context travel together

A school code identifies the tenant at login. Authenticated requests then carry user and school context so business logic can enforce role, tenant, and plan boundaries.

1

Authentication

Credentials are verified and successful login returns a short-lived signed access token with user context.

2

Authorization

Role rules govern actions and navigation; premium features are checked against plan entitlements.

3

Tenant scope

School entities include school identity and service queries operate within authenticated tenant context.

4

Validation

API request models validate expected structure before business services write records.

5

Secrets & transport

Production secrets belong in protected environment configuration; HTTPS/TLS protects traffic.

6

Traceability

Authenticated write requests are recorded in the audit trail; provider callbacks use verification and duplicate-event protection.

Recommended production control set

Control	Expected practice	Owner depends on deployment
Access lifecycle	Named accounts, approved roles, prompt leaver deactivation, periodic access review	School administrator / identity team
Secrets	Separate development and production values; restrict, rotate, and never commit credentials	Hosting operator
Database	Encrypted connection, least-privilege account, automated backup, restore rehearsal	Hosting operator / DBA
Application	Supported runtime, dependency updates, migrations, build/test gates, rollback plan	Technical operator
Monitoring	Availability checks, errors/logs, capacity, provider failures, escalation contacts	Support / operations
Privacy	Lawful collection, appropriate retention, controlled exports, incident response	School data controller

CONNECT WITHOUT LOSING CONTROL

Provider integrations are configured, scoped, and owned

Some capabilities are built into ScholarOs; others require customer/provider credentials and plan entitlement. Integration ownership should be explicit before launch.

Integration area	Purpose	Typical configuration	Commercial / plan note
Email	Transactional and bulk school communication	SMTP host, port, user, password, sender	Provider account/usage may be separate
Payments	Initiation, references, reconciliation context	M-Pesa / Paystack credentials and webhook URLs	Provider transaction fees may apply
Google sign-in	Google Workspace identity and approved-domain access	OAuth client ID/secret, callback, and tenant domains	Premium Plus and above; provider/domain setup required
REST API	Approved tenant-scoped read workflows	API keys, client restrictions, secure secret storage	Premium Plus and above; writes require a user session

API consumer responsibilities

- ✓ Document an approved purpose and minimum data scope.
- ✓ Store keys in a secret manager, never frontend code.
- ✓ Validate responses and handle errors/rate limits.
- ✓ Rotate credentials and revoke unused clients.
- ✓ Log integration actions without exposing secrets.

Integration acceptance

- ✓ Use provider sandbox/test mode first.
- ✓ Verify success, failure, duplicate, and retry cases.
- ✓ Confirm tenant and user scope.
- ✓ Reconcile provider and ScholarOs records.
- ✓ Publish an owner and escalation procedure.

Technical-team note: direct database integration is not the default integration pattern. Prefer governed application APIs or approved import/export workflows so business validation remains in force.

CHOOSE THE OPERATING RESPONSIBILITY

Cloud convenience or greater ownership

The commercial route changes who operates the infrastructure and how much technical capability the school must maintain. Product scope and final responsibilities are confirmed contractually.

Decision area	Subscription / managed route	One-time deployment route	Source-code route
Best fit	Schools wanting low operational overhead	School wanting a purchased deployment	Technical owner, ISV, or reseller
Infrastructure	Defined as part of managed service	Confirmed in deployment scope	Purchaser operates target environments
Updates	Managed service lifecycle	Support/maintenance terms must be agreed	Purchaser manages unless separately contracted
Backups & monitoring	Defined in service agreement	Explicitly assigned during handover	Purchaser responsibility
Customization	Plan-supported configuration	Varies by purchased tier/scope	Purchaser can extend licensed source
Technical capacity needed	Low to moderate	Moderate if self-operated	High: development, DevOps, security, DBA
Licence scope	Active tenant subscription	Purchased school deployment	Single-use or unlimited, as purchased

Frontend runtime

Node.js environment capable of building and serving the Next.js application, with the production API URL configured.

Backend runtime

Node.js environment for NestJS, protected environment values, provider callbacks, and a controlled migration process.

Database

PostgreSQL with encrypted connectivity, managed schema migrations, monitoring, backups, and verified restoration.

Handover package should define

Repository or build access, environment inventory, secrets ownership, domain/TLS responsibility, database provisioning, migration method, provider accounts, backup retention, monitoring, release procedure, rollback, support window, documentation, and acceptance sign-off.

MANAGED MONTHLY PLANS

Start with the operating scope you need

Prices below are the current configured ScholarOs catalogue in Kenya shillings. Basic through Premium Plus annual billing costs 85% of twelve monthly payments and waives their listed setup fee. Enterprise uses a written quotation.

Plan	Monthly	Annual	Setup	Admin accounts	Best fit
Basic	KES 5,000	KES 51,000	KES 20,000	1	Small schools, 100–300 students
Standard	KES 10,000	KES 102,000	KES 30,000	Up to 5	Medium schools, 300–800 students
Premium	KES 20,000	KES 204,000	KES 50,000	Unlimited	Large schools needing the complete portal suite
Premium Plus	KES 30,000	KES 306,000	KES 50,000	Unlimited	Branding, Google Workspace SSO, and REST API needs
Enterprise	Contact sales	As quoted	As quoted	Unlimited	Tailored rollout, integration, and governance scope

Feature progression

Plan	Included capability summary	Trial
Basic	Students, attendance, printable report cards, admin dashboard, and calendar	—
Standard	Basic + student web/Android access, exams, quizzes, lessons, fees, notifications, timetable, duty roster and inventory	14 days
Premium	Standard + parent portal and complete teacher workspace, analytics, responsive browser access, discipline, admissions, printable records, messaging, and eligible priority support	14 days
Premium Plus	Premium + tenant logo/accent branding, Google sign-in (provider setup required), and read-only REST API access	—
Enterprise	Same software as Premium Plus, with the price, rollout, and service scope agreed in a quotation before payment	—

Setup package • Basic to Plus: guided school configuration, an initial student register import using ScholarOs CSV templates, and remote training for the principal and nominated staff. Agree the student list, readiness, training arrangements and dates before payment. Standard starts at KES 40,000 (KES 10,000 monthly + KES 30,000 setup), then KES 10,000 per month after the first confirmed payment.

Annual billing includes the same initial package with no setup fee. Enterprise follows its issued quotation. On-site visits, extensive data cleaning, historical migration, custom development and provider charges require separate agreement. The school supplies accurate records, reviews the import and manages its own accounts after handover.

ONE-TIME & SOURCE-CODE OPTIONS

Buy a deployment—or buy the licensed source

Ownership routes are intended for institutions with clear technical and commercial requirements. “One-time” does not remove hosting, provider, maintenance, security, or support costs.

One-Time Standard

KES 250,000 one-

time

Premium-core capability for a school wanting its own deployment with zero recurring ScholarOs licence fee.

POPULAR

One-Time Professional

KES 325,000 one-

time

Premium-core capability plus custom branding.
Payment/email setup and implementation scope are agreed for the deployment.

One-Time Enterprise

KES 400,000 one-

time

All software modules, branding, Google sign-in (provider setup), and read-only API access. Migration and custom development are quoted separately.

Source Code · Single Use

KES 800,000 one-time

All modules, white-label and source-code access licensed for one school deployment.

- Best for a technically capable single institution
- Purchaser assumes code and operational stewardship
- Deployment/use scope remains contractually limited

Source Code · Unlimited

KES 3,500,000+ one-time

All modules, white-label and source-code access positioned for ISVs and resellers deploying across unlimited schools.

- Commercial and licensing terms require a tailored agreement
- Purchaser needs product, security, DevOps, and support capability
- “+” indicates scope-dependent final pricing

Due-diligence requirement: the signed agreement must state licence scope, permitted deployments, source delivery, IP rights, third-party dependencies, warranty, acceptance, support, updates, security responsibility, and exclusions.

COMMERCIAL FIT

Choose according to capacity—not price alone

The most economical route is the one whose responsibility model the institution can sustain safely.

Choose subscription when...

- ✓ You want predictable operational expenditure.
- ✓ You prefer a managed product lifecycle.
- ✓ Your team should focus on school operations.
- ✓ You want to scale features through plans.

Choose one-time when...

- ✓ You want a purchased school deployment.
- ✓ You understand hosting and maintenance obligations.
- ✓ Your required scope fits the selected tier.
- ✓ You can define post-handover support.

Choose source code when...

- ✓ You have a real development and DevOps team.
- ✓ You need licensed modification or white-labeling.
- ✓ You can own security, updates, testing, and support.
- ✓ Your deployment rights match single or unlimited use.

Request a tailored scope when...

- ✓ You operate several locations that require separate tenant design or complex migration.
- ✓ You need Google SSO, API, payment, or custom integrations.
- ✓ You need support hours or service targets defined in signed terms.
- ✓ You need commercial terms beyond catalogue assumptions.

Items to confirm in the final quotation

Commercial	Implementation	Technical	Service
Plan/licence, tax, payment schedule, validity, third-party costs	Modules, data volume, migration, training, branding, acceptance	Hosting, domain, TLS, database, integrations, environments, ownership	Support hours, channels, service targets, updates, backups, maintenance, exit/handover

Recommended next action

Complete a discovery workshop with leadership, finance, academics, operations, and IT. ScholarOs will then map requirements to the correct plan or ownership tier and issue a scope-specific written proposal.

Pricing reflects the product catalogue configured in September 2026 and is provided for discussion. This pack is not a tax invoice, licence, warranty, or binding service agreement. A signed quotation/contract controls final price, inclusions, responsibilities, and terms.