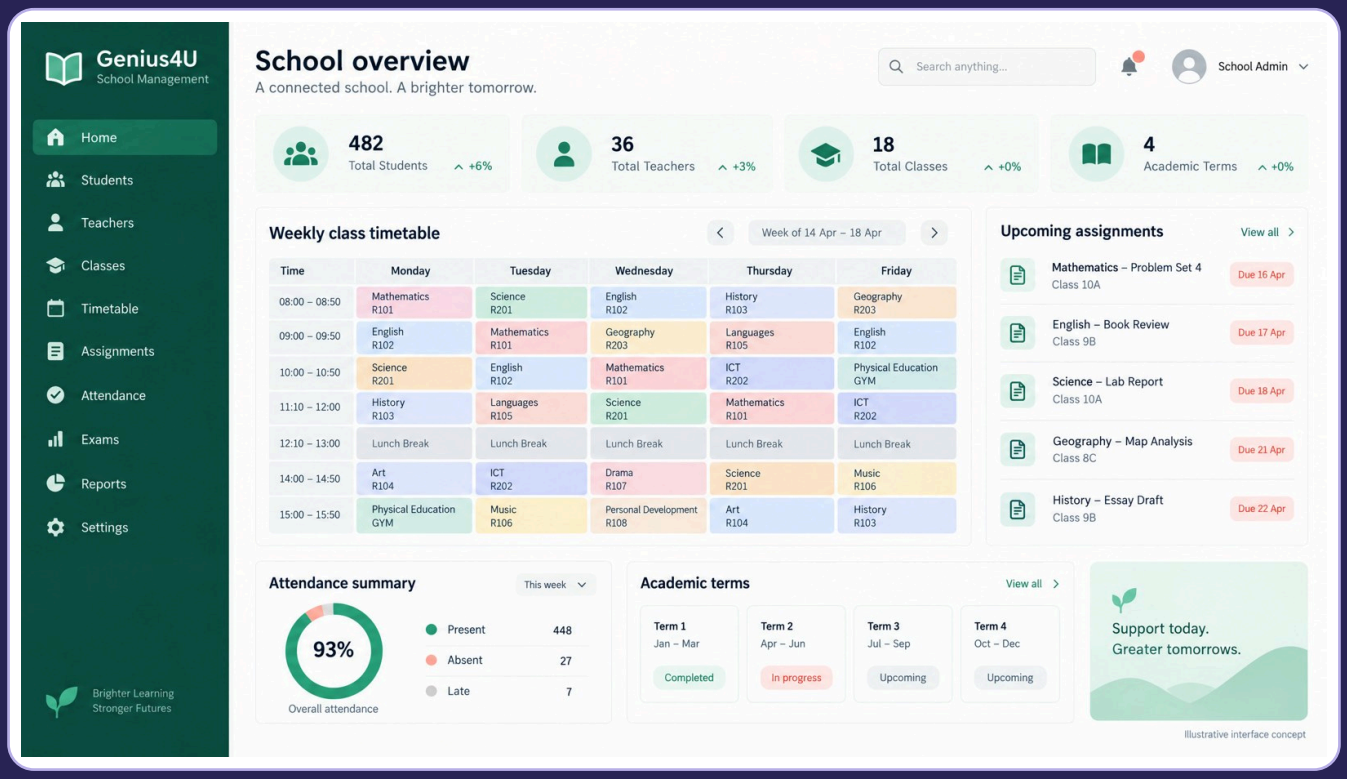
School Management & Learning

A role-separated school operating system for the full rhythm of an academic year: admissions, learning, attendance, assessment, family communication and service coordination.

SOFTWARE-ONLY PRICE

USD 6,900

ADMIN • TEACHER • STUDENT • GUARDIAN



Program interface design

Built around accountable learning flows—not a collection of disconnected school screens.

ONE SCHOOL DAY, FOUR PURPOSEFUL VIEWS

The learning conversation stays connected

Each portal releases only the records, actions and alerts appropriate to that role. The structure avoids a generic shared dashboard and protects the distinction between academic work, family access and operational control.

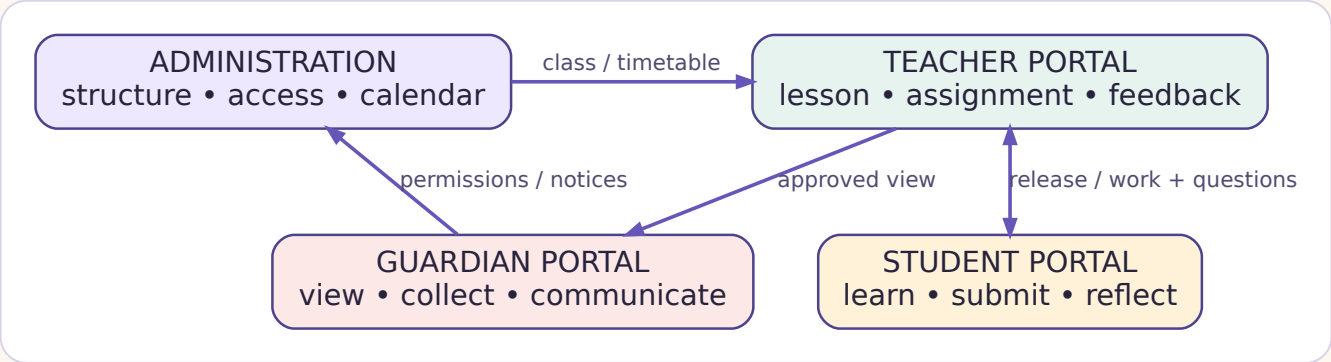


FIGURE 1. Four-role learning flow. The arrows are deliberate visibility routes, not unrestricted record sharing.

01 / ADMINISTRATION

Structure and assurance

Sets branches, stages, classes, rooms, terms, subjects and access roles. Maintains admissions, transfers, staff/service assignments and controlled academic calendars.

02 / TEACHER

Plan, teach, respond

Works from assigned classes and timetable. Records objectives, taught date, attachments, assignment decisions, feedback and teacher-approved learning outcomes.

03 / STUDENT

A focused learning desk

Sees released lessons, due work, permitted media, submissions and feedback. Personal actions do not overwrite teacher records or assessment approval.

04 / GUARDIAN

Visibility with boundaries

Views authorised notices, learning visibility, selected attendance information and collection permissions. Guardian access is separate from the student's own learning account.

Role separation is a design control.

Administrator, teacher, student, guardian, service staff, supervisor and accountant accounts can be separated by responsibility. Audits preserve original transactions; reasoned corrections are traceable rather than silent overwrites.

A timetable that refuses impossible promises

Qualified teacher, available room, real calendar

The timetable engine is where curriculum intent becomes a workable week. It handles required weekly lessons alongside teacher qualifications, room allocation and unavailable times before an authorised schedule is released.

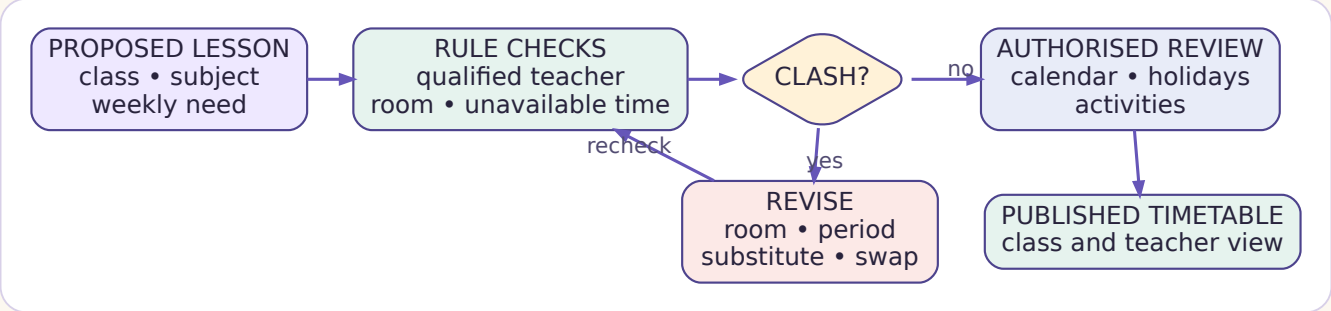


FIGURE 2. Conflict-aware timetable flow. A proposed lesson only reaches publication after rule checks and authorised review.

Rules visible to the scheduler

A lesson proposal carries class, subject, period, required weekly frequency, assigned teacher and room. The scheduler tests whether the teacher is qualified and free, whether the room is free, and whether term events, holidays or declared unavailability intervene. The same teacher cannot be approved in two rooms at once.

When a conflict appears, the record remains a proposed arrangement. A user can revise the period, choose an eligible room, nominate a substitute or record a controlled swap. Published timetables give staff and classes a stable operational reference rather than a suggestion.

Substitution is not a shortcut.

A substitute or swap records the affected lesson, original teacher, replacement, reason, date and approval. This keeps the academic record aligned with the person actually responsible for delivery.

Useful outputs

Teacher and room schedules; class timetables; unfilled requirements; pending substitution requests; term-calendar exceptions; PDF/Excel planning reports.

From lesson plan to feedback—not just file upload

A school-day learning ribbon

Teaching records combine the classroom moment with the learner's next action. A lesson holds subject, class, title, objectives, taught date, content and permitted attachments before an assignment asks for a response.

08:00 / PLAN
Objective, class, material

10:15 / TEACH
Taught date, content, notes

14:00 / SUBMIT
Deadline, learner response

16:00 / RESPOND
Mark, feedback, next step

LESSON → ASSIGNMENT

A controlled teaching pipeline

The teacher releases an assignment with a deadline, instructions and attachments to the intended class. Student submissions remain linked to the assignment rather than drifting into a general message feed. Late, returned and marked states can be visible in the relevant role portal.

LESSON VIDEO / MEDIA

Permission before playback

Lesson video, slides, audio and attachments can be organised around the lesson. Access, download rights, sharing route and retention should follow the school's policy and contracted media scope.

FEEDBACK → LEARNING

Response belongs to the work

Teacher feedback, marking notes and next actions attach to the submitted work. Objective quizzes may correct only under defined rules; written responses that require judgment remain teacher-reviewed.

Buyer test

Ask the school to trace one lesson from objective through publication, submission, teacher feedback and guardian visibility. Confirm who may view, edit, release or correct at each stage.

Assessment carries evidence, weighting and approval

A term outcome is more than a single mark

The assessment workspace connects questions, exams, marks, weighting and reporting without treating a calculation as a teacher’s educational judgment. The record must show where an outcome came from and who approved it.

ASSESSMENT DESIGN

Questions and exam definition

A teacher can organise assessment by class, subject, term, objective, question type, marks available, weighting and opening/closing rules. Objective questions may be corrected under defined rules; essays and other judgment-led work require teacher review.

APPROVAL

Teacher accountable release

Marks, moderation notes, absences, exemptions and corrections remain reviewable. A published term report or certificate should flow from teacher-approved outcomes, not from an unattended automatic release.

OUTCOME RECORD / EXAMPLE FIELDS

Assessment	Term 2 science investigation
Evidence	Submission, rubric response, teacher note
Weighting	Defined contribution to the subject outcome
Status	Draft → reviewed → teacher approved
Output	Term report, certificate or correction audit

Integrity rules

Original marks and assessment events are retained. Corrections should record reason, actor and time. Role-separated report access and transaction audits support a defensible academic history; PDF/Excel exports should reflect authorised data.

A result can be calculated; an academic outcome is approved.

That distinction helps schools test the system’s control point before term reporting, certificate issuance and later correction.

Two attendance records. One safer school day.

Gate movement is not classroom presence

A card event at a gate can document an entry or exit. It does not prove that a student attended every scheduled lesson. Classroom registers and collection controls need their own evidence, roles and audit trails.



FIGURE 3. Parallel attendance and collection controls. Gate data gives arrival context; the teacher register carries lesson-specific presence.

GATE EVENT

An immutable movement event

Record card ID, device or gate identifier, timestamp, event type and unique event ID. Duplicate handling and later review preserve the original event separately from any derived attendance calculation.

CLASSROOM REGISTER

Teacher records the lesson

The teacher records the relevant class, lesson, roster and attendance status. A reasoned correction can be approved and audited; it should not be inferred automatically from a gate swipe.

SAFE COLLECTION

Authorised guardian handover

Collection permissions, authorised contacts and a handover event can be held as a separate safeguarding control. Guardian access does not give unrestricted access to academic records.

REVIEW

Useful, not conflated

A controlled review view can compare patterns or prompt follow-up while keeping gate events and lesson registers distinct. It is not facial-recognition attendance, emotion inference or surveillance-performance scoring.

The services around learning remain accountable

Fees, library, facilities and transport

A school day also depends on invoices, shared resources, safe spaces and carefully bounded transport information. These records work alongside the academic core without exposing family or operational data beyond each role’s purpose.

FEES

Invoice to payment trail

Fee categories, invoices, due dates, payments, receipt references, adjustments and role-separated accountant access support an auditable finance conversation. Tax, service scope and support terms are confirmed in writing.

LIBRARY

Circulation with identity

Book/item identity, borrower, issue and due dates, return status and barcode-supported handling can connect library activity to the right student record without turning it into a general surveillance feed.

FACILITIES

Rooms, labs and maintenance

Rooms, labs and maintenance tasks can be recorded with location, request, priority, assignment, status and completion notes. Facility readiness can inform the timetable without replacing authorised safety procedures.

TRANSPORT

A bounded optional GPS route

A school-bus location interface may be scoped where contracted, with privacy controls and purpose limits. It is not continuous child tracking, and its device, vendor interface and service terms require separate validation.

Scope makes the service credible.

Barcodes, card/report printing, administration devices and a transport location interface depend on the agreed device and service scope. Genius4U does not sell or supply any hardware or licensing dongles.

Secure access and scoped exchange

Web, mobile, local operations and named routes

The platform connects branches, role portals and teacher devices through defined access rules. It distinguishes local-network use, HTTPS access and separately scoped interfaces rather than promising universal hardware or permanent offline operation.

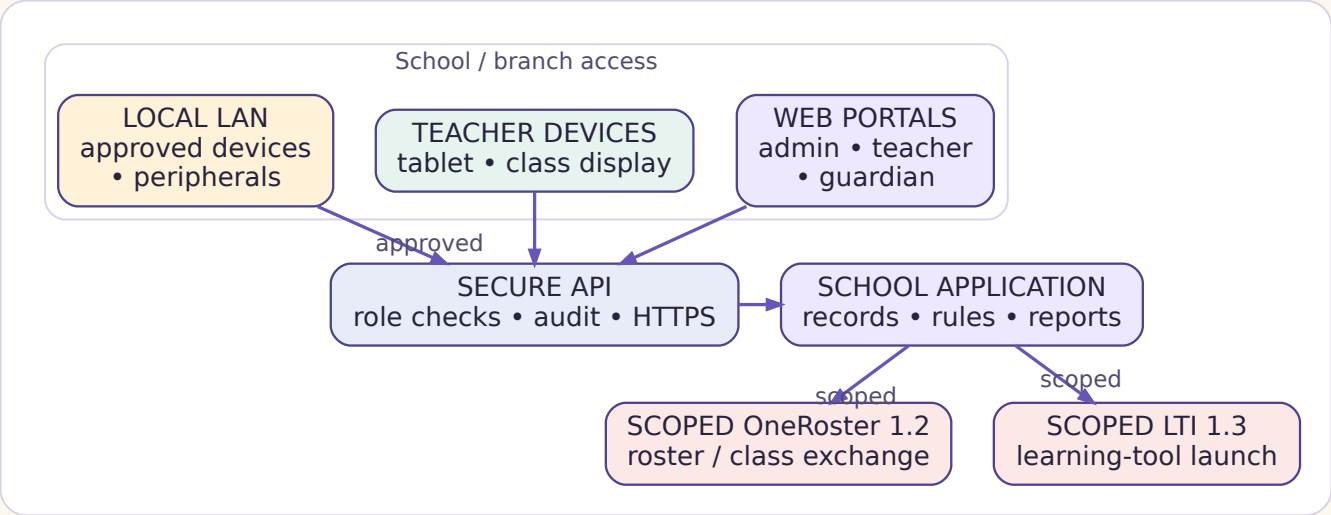


FIGURE 4. Access and integration topology. OneRoster and LTI are named as possible scoped routes, not as claimed certifications or universal connectors.

PORTALS

Browser and mobile workflows

Web dashboard/mobile access by contracted scope; English/Arabic RTL and branch-aware roles should be demonstrated for intended users.

LAN / HTTPS

Connection-aware operations

Approved local devices can use LAN; remote and branch access uses HTTPS and protected roles. MFA may be agreed for sensitive users.

BUFFER / RECONNECT

Test the supported local path

Where contracted, supported local operations may buffer, reconnect and synchronise after acceptance testing. This is not offline operation on every device.

SCOPED EDUCATIONAL EXCHANGE

OneRoster 1.2 and LTI 1.3

Possible roster/class exchange and learning-tool launch routes. Actual rights, mapping, privacy controls and vendor testing are separately scoped.

Teaching media and premises security are different systems

Visible camera / recording boundaries

A lesson video can support learning. A security camera may support a limited authorised incident workflow. The school should never be asked to accept one purpose as a substitute for the other, or to accept surveillance assumptions that were not agreed.

LEARNING RECORDING

Lesson media

Linked to a lesson, audience, permitted sharing route and retention rule. Access follows the learning role and school policy.

OPTIONAL PREMISES SECURITY

Incident evidence

A limited vendor VMS/camera route may be separately scoped for authorised incident evidence, with privacy, access and retention controls.

CHILD SAFEGUARD

Purpose limitation

No child or employee emotion inference, blanket surveillance, facial-recognition attendance or performance scoring. Review access remains controlled and auditable.

Recording decision checklist

Before any lesson recording or optional premises-camera connection, define the purpose, authorised viewers, retention period, storage location, export control and deletion/incident process. Camera, VMS, video platform, installation and related third-party service fees are not included by implication. Any integration is optional, separately scoped/priced and subject to vendor interface plus privacy/retention controls.

DECISION BOUNDARIES

LESSON CONTENT
Teacher and school policy decide release.

SECURITY EVIDENCE
Authorised incident policy decides access.

RETENTION
Defined by approved school policy.

AUDIT
View, export and correction traces.

Why this is school software—not a generic admin dashboard

A qualitative price rationale

USD 6,900 reflects the breadth of school lifecycle orchestration: a rule-aware academic calendar, separated role portals, traceable learning and assessment records, attendance distinctions, service workflows and a controlled route to connected branches.

SOFTWARE-ONLY PRICE

USD

6,900

A premium school operating core for an academic year—not a claim of bundled hardware, integrations or unlimited service.

Buyer evaluation

Walk one student record through admission, timetable, lesson, assignment, attendance, assessment, guardian access, fee receipt and correction audit. Then test role boundaries and reports with the school's own policy.

LIFECYCLE ORCHESTRATION

One academic sequence

The product connects terms, stages, classes, subjects, rooms, lessons, assessment and reports so changes do not live in isolated spreadsheets. Timetable conflict logic and substitutions make calendar decisions operational.

ROLE SEPARATION

Different people, different authority

Administrator, teacher, student, guardian, service staff, supervisor and accountant actions have distinct purposes. That separation supports record integrity, appropriate visibility and meaningful approval points.

RESILIENT RECORDS

Designed for a changing school day

Audited corrections, encrypted backup/restore, protected access, PDF/Excel reporting, device adapters and scoped integration routes give evaluators a concrete engineering and governance surface to test.

The price is not allocated to artificial percentages.

It is a qualitative expression of specialised workflow design, role separation, academic rule handling, record integrity and operational resilience. Optional modules, customisation, installation, device or service integrations have separately agreed scope and price.

Commercial clarity before implementation

A review-draft product brief

The following terms describe the published software offer and the boundaries a buyer should confirm in the written agreement. They do not imply indefinite licensing, unlimited installations, bundled hardware or unspecified third-party services.

COMMERCIAL TERMS

Software-only price: USD 6,900. Genius4U does not sell or supply any hardware or licensing dongles. A compatible **PHYSICAL licensing dongle** is required, **NOT** a software activation key; customer/reseller secures it independently.

Licence duration, installations, support and tax are confirmed in written agreement.

Optional modules/customisation/installation/device or service integrations have separately agreed scope and price. Third-party camera/VMS/PACS/video service fees are not included by implication.

All sales and payment arrangements through **WhatsApp +1 872 282 1722** only. No checkout/card information forms. Agents worldwide welcome with written terms; no automatic exclusivity.

Scope test

Confirm actual device model/firmware/interface rights, data mappings, privacy and retention rules, access roles, backup/restore tests and acceptance criteria before any optional integration is accepted.

TECHNICAL REFERENCES

1EdTech OneRoster 1.2 Standard

Reference for possible scoped exchange of people, courses, enrolments, class rosters and grades. No conformance or certification claim.

1EdTech Learning Tools Interoperability

Reference for possible scoped learning-tool interoperability and launch. No implementation, conformance or certification claim.

SOURCE & VISUAL ATTRIBUTION

Owner-approved scope: Genius4U product content contract and design contract. Interface visual: “Program interface design.” Original diagrams: Graphviz DOT sources in this project.

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