Timeline at a glance

- **Sprint 1:** Mon **Nov 3** → Fri **Nov 14**

- **Sprint 2:** Mon **Nov 17** → Fri **Nov 28**

- **Code freeze:** Sun **Nov 30** (EOD PT)

- **Release/MVP: Mon Dec 1**

Sprint 1 (Nov 3–Nov 16)

Week 1 Feature: User Manager / Authentication / Roles

Deliverables

- Google OAuth via Auth.js; UCSD accounts only; secure cookies.

- RBAC (roles not hard-coded): Instructor, TA, Tutor, Student Leader, Student.

- Provisioning code flow for course enrollment.

- Audit & security baseline: login/logout/access logs, rate limits, CSRF, headers, passwordless-only.

- Admin UI to assign roles; branch protection in place; CI gates enforced.

Requirements to complete this week

- **Security/Compliance:** FERPA-aware RBAC, SSL everywhere, audit logging, basic intrusion throttling.

- **Core Platform:** Node.js + Express/Hono, Postgres schema (users/roles/audit), standard HTML/CSS/Vanilla JS, HTMX/Web Components.

- **A11y/I18n scaffolding:** WCAG 2.1 AA checklist, RTL-safe layout, UTF-8, string externalization.

- **Process:** On-call rotation live, Conventional Commits, branch strategy (`feature/*`, `bugfix/*`, `spec/*`), PR approvals required.

- **CI (from README):** ESLint/Stylelint/HTMLHint, unit + integration tests, **≥80% coverage**, JSDoc, commit-title validation, Slack notifications.

Acceptance criteria

- Only authenticated users reach protected routes; role checks enforced server-side.

- Instructor can promote/demote roles; all sensitive actions are logged.

- CI must pass and block merges; coverage ≥80%.

Week 2 Feature: Class Directory

Deliverables

- Directory views for Professors, TAs, Groups, Students (list + detail).

- Groups: name/logo/mantra/links; per-group member roles.

- People fields: name, pronunciation, pronouns, photo/avatar, contacts, availability.

- CSV import (mapping preview + rollback) and CSV export.

- Metadata/ORM-driven forms (no hard-coded field layouts).

Requirements to complete this week

- **Internationalization continuation:** field labels/messages externalized; quick locale switch; RTL verified on directory.

- **Mobile-friendly UI:** responsive cards/tables; keyboard navigation; contrast passes.

- **Data scale/readiness:** pagination + search to comfortably handle tens of thousands of students over time.

Acceptance criteria

- TA sees only their groups; Instructor sees all.

- CSV import handles invalid rows gracefully and is auditable.

- Directory usable on small screens; a11y checks pass.

Sprint 2 (Nov 17–Nov 30)

Week 3 Feature: Attendance System

Deliverables

- Create session (Lecture/OH/Group/Ad-hoc) in <10s; mobile "Quick Mark" (Present/Late/Absent).

- Team/class rollups (% by date range) + drill-down; CSV export.

- Anti-abuse basics: optional PIN/code-of-day, IP/UA capture; edits leave audit trail.

Requirements to complete this week

- **Performance & scale:** endpoints efficient for ~500–1000 concurrent sessions (lightweight queries, indexes, caching where helpful).

- **Monitoring:** request logs + error alerts to Slack; health check endpoint.

- **Accessibility on mobile:** large touch targets; aria-live updates on toggles.

Acceptance criteria

- 30-person section can be marked in ~60s on a phone.

- Attendance edits show who/when/what changed.

- Rollups load quickly and export cleanly.

Week 4 Feature: Work Journal / Stand-Up Tool

Deliverables

- Entry: did/plan/blockers + sentiment slider; can reach out to Leader/TA/Prof.

- Automated bot in email or chat

- Repo links stored; hooks ready for future Git integration.

Requirements to complete this week

- **Signals & evaluation scaffolding:** basic activity/communication/emotional flags visible to TA/Instructor (aligns with TA evaluation needs).

- **Privacy:** clearly scoped visibility per role; journal data included in audits.

- **Release readiness:** CD finalized (target env confirmed), backups on, secrets managed, 404/500 pages, privacy/FERPA notice.

Acceptance criteria

- Students can submit/edit journal in ≤30s on mobile.

- TA/Instructor digest highlights who needs attention; flags configurable.

- Notifications fire on rule triggers; all actions auditable.

Ongoing (every week / every PR)

- CI must pass: lint, tests (unit+integration+critical E2E), coverage ≥80%, JSDoc.

- No secrets in code; no `console.log`; docs updated.

- Standups via Slack bot (Tue/Thu 10:00 AM PT); on-call rotates each sprint.

- Issue tracking via GitHub Issues with labels; PRs use Conventional Commits.