Online Exam Proctoring iOS App – UI Flow & Screen Design Blueprint

■■■ 1. Student Role

Goal: To securely log in, view scheduled exams, take exams under AI proctoring, and view results with detailed feedback.

Dashboard → Exam List → Exam Details → Pre-Exam Checks → Exam Interface → AI Proctoring → Cheating Alerts → Submit → Re

Student Screens

Screen	Description
Face ID Login	Biometric login using Face ID for secure access.
Dashboard	Overview of upcoming, ongoing, and past exams.
Exam Schedule	Exams grouped by subject or category.
Exam Details	Details before starting the exam with countdown timer.
Pre-Exam Checks	Verify camera, mic, internet and show rules.
Exam Interface	Live timer, question progress, camera preview, speech-to-text.
Cheating Alerts	Pop-ups for multiple faces, voice, or gaze deviation.
Exam Submission	Submit answers and upload logs.
Results & Feedback	View marks, correct answers, and feedback.

■■■ 2. Teacher Role

Goal: To create, edit, schedule, and manage exams, and monitor students during live exams with AI-assisted proctoring data.

Login → Dashboard → Create Exam → Assign to Course/Students → Live Monitoring → Real-Time Alerts → Reports & Logs

Screen	Description
Login	Secure login with institutional credentials.
Dashboard	Stats on exams, violations, and students monitored.
Create Exam	Input details, add questions, enable proctoring.
Assign Exam	Allocate exams to students or courses.
Live Monitoring	Real-time student feeds with AI violation alerts.
Reports	Exam results, performance, and cheating logs.
Notifications	Instant alerts for suspicious activities.

■■■ 3. Admin Role

Goal: To manage users, allocate courses, control system settings, and oversee AI system performance.

Login → Dashboard → Manage Users → Manage Courses → System Settings → Logs & Reports

Screen	Description
Admin Login	Secure admin access with MFA.
Dashboard	Overview of users, exams, and AI alerts.
User Management	Add, edit, and delete students/teachers.
Course Management	Assign teachers to specific courses.
Exam Management	System-wide exam control and tracking.
System Settings	Configure AI sensitivity and data retention.
Logs & Reports	View audit trails and system reports.

■ AI/Proctoring System Features

Feature	Function	Visible UI
Eye Movement Tracking	Detect gaze direction and frequent off-screen activity	No (teacher alert only)
Multiple Face Detection	Identify more than one person on camera	Alert to student & teacher
Object Detection	Detect mobile phones or other devices	Teacher receives alert
Audio Monitoring	Detect background voices or conversation	Alert & log
Browser Activity Tracking	Detect tab switching/minimizing	Alert to teacher dashboard
Screen Recording	Capture evidence for audit	Admin/teacher access only