**<!DOCTYPE html>**

**<html lang="id"A**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>Portal Ujian & Kuis Online Sekolah</title>**

**<script src="https://cdn.tailwindcss.com"></script>**

**<link rel="preconnect" href="https://fonts.googleapis.com">**

**<link rel="preconnect" href="https://fonts.gstatic" crossorigin>**

**<link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700&display=swap" rel="stylesheet">**

**<style>**

**:root {**

**--bg-primary: #111827; /\* slate-900 \*/**

**--bg-secondary: #1f2937; /\* slate-800 \*/**

**--bg-tertiary: #374151; /\* slate-700 \*/**

**--border-color: #4b5563; /\* slate-600 \*/**

**--text-primary: #f9fafb; /\* gray-50 \*/**

**--text-secondary: #d1d5db; /\* slate-300 \*/**

**--accent-color: #22d3ee; /\* cyan-400 \*/**

**}**

**html.light {**

**--bg-primary: #f3f4f6; /\* gray-100 \*/**

**--bg-secondary: #ffffff; /\* white \*/**

**--bg-tertiary: #e5e7eb; /\* gray-200 \*/**

**--border-color: #d1d5db; /\* gray-300 \*/**

**--text-primary: #111827; /\* gray-900 \*/**

**--text-secondary: #4b5563; /\* gray-600 \*/**

**--accent-color: #0891b2; /\* cyan-600 \*/**

**}**

**body {**

**font-family: 'Inter', sans-serif;**

**background-color: var(--bg-primary);**

**color: var(--text-primary);**

**}**

**#app-container {**

**background-color: var(--bg-secondary);**

**border-color: var(--border-color);**

**}**

**input, select, textarea, .btn-secondary {**

**background-color: var(--bg-tertiary);**

**border-color: var(--border-color);**

**color: var(--text-primary);**

**}**

**.text-accent { color: var(--accent-color); }**

**.text-desc { color: var(--text-secondary); }**

**.admin-tab.active { border-color: var(--accent-color); color: var(--accent-color); }**

**.btn-lang.active { background-color: var(--accent-color); color: white; }**

**.correct { background-color: #16a34a !important; color: white !important; border-color: #15803d !important; }**

**.incorrect { background-color: #dc2626 !important; color: white !important; border-color: #b91c1c !important; }**

**.selected { background-color: #0891b2 !important; color: white !important; border-color: #0e7490 !important; }**

**.btn-disabled { pointer-events: none; opacity: 0.8; }**

**#question-editor-modal { background-color: rgba(0,0,0,0.7); }**

**</style>**

**</head>**

**<body class="flex items-center justify-center min-h-screen p-4 transition-colors duration-300">**

**<div id="app-container" class="w-full max-w-4xl mx-auto rounded-2xl shadow-2xl p-6 md:p-8 border relative">**

**<!-- Header Controls -->**

**<div class="absolute top-4 right-4 flex gap-2 items-center z-10">**

**<button id="theme-toggle-btn" class="bg-tertiary p-2 rounded-full hover:bg-slate-600 transition">**

**<svg id="theme-icon-light" class="h-4 w-4 hidden" fill="none" viewBox="0 0 24 24" stroke="currentColor"><path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M12 3v1m0 16v1m9-9h-1M4 12H3m15.364 6.364l-.707-.707M6.343 6.343l-.707-.707m12.728 0l-.707.707M6.343 17.657l-.707.707M16 12a4 4 0 11-8 0 4 4 0 018 0z"></path></svg>**

**<svg id="theme-icon-dark" class="h-4 w-4" fill="none" viewBox="0 0 24 24" stroke="currentColor"><path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M20.354 15.354A9 9 0 018.646 3.646 9.003 9.003 0 0012 21a9.003 9.003 0 008.354-5.646z"></path></svg>**

**</button>**

**<button id="lang-id-btn" class="btn-lang active bg-tertiary hover:bg-slate-600 text-xs font-bold py-1 px-3 rounded-md transition">ID</button>**

**<button id="lang-en-btn" class="btn-lang bg-tertiary hover:bg-slate-600 text-xs font-bold py-1 px-3 rounded-md transition">EN</button>**

**</div>**

**<!-- Main Menu Screen (Student Focused) -->**

**<div id="main-menu-screen">**

**<h1 data-key="portalTitle" class="text-3xl md:text-4xl font-bold text-center text-accent mb-2">Portal Ujian & Kuis</h1>**

**<p data-key="welcomeMessage" class="text-desc text-center mb-10">Selamat datang! Silakan pilih mode yang Anda inginkan.</p>**

**<div class="flex flex-col md:flex-row gap-4">**

**<button id="start-quiz-mode-btn" class="w-full bg-sky-500 hover:bg-sky-600 text-white font-bold py-4 px-6 rounded-lg text-lg transition-transform transform hover:scale-105">**

**<h2 data-key="quizModeTitle" class="text-xl font-bold">Kuis Latihan</h2>**

**<p data-key="quizModeDesc" class="font-normal text-sm">Asah pengetahuan dengan kode</p>**

**</button>**

**<button id="start-exam-mode-btn" class="w-full bg-cyan-500 hover:bg-cyan-600 text-white font-bold py-4 px-6 rounded-lg text-lg transition-transform transform hover:scale-105">**

**<h2 data-key="examModeTitle" class="text-xl font-bold">Ujian Semester</h2>**

**<p data-key="examModeDescStudent" class="font-normal text-sm">Wajib login dengan NISN</p>**

**</button>**

**</div>**

**<p class="text-center text-desc text-xs mt-8">**

**<a href="#" id="admin-login-link" data-key="adminLoginLink" class="hover:text-accent">Login sebagai Guru (Admin)</a>**

**</p>**

**</div>**

**<!-- Quiz Access Code Screen -->**

**<div id="quiz-code-screen" class="hidden">**

**<h1 data-key="quizCodeTitle" class="text-3xl font-bold text-center text-accent mb-4">Masuk Kuis Latihan</h1>**

**<p data-key="quizCodeDesc" class="text-desc text-center mb-8">Masukkan kode akses untuk memulai.</p>**

**<form id="quiz-code-form">**

**<div class="mb-4">**

**<label for="quiz-code" data-key="accessCodeLabel" class="block mb-2 text-sm font-medium text-desc">Kode Akses</label>**

**<input type="text" id="quiz-code" class="border text-sm rounded-lg focus:ring-cyan-500 focus:border-cyan-500 block w-full p-2.5" placeholder="••••••••" required>**

**</div>**

**<p id="quiz-code-error" data-key="invalidCodeError" class="text-red-500 text-sm text-center mb-4 hidden">Kode akses salah!</p>**

**<button type="submit" data-key="enterButton" class="w-full bg-sky-500 hover:bg-sky-600 text-white font-bold py-3 px-8 rounded-lg text-lg transition">Masuk</button>**

**<button type="button" id="back-to-menu-from-code" data-key="backToMenuButton" class="w-full mt-4 btn-secondary font-bold py-2 px-4 rounded-lg">Kembali ke Menu</button>**

**</form>**

**</div>**

**<!-- Login Screen (Universal) -->**

**<div id="login-screen" class="hidden">**

**<h1 id="login-title" class="text-3xl font-bold text-center text-accent mb-4"></h1>**

**<p id="login-desc" class="text-desc text-center mb-8"></p>**

**<form id="login-form">**

**<div class="mb-4">**

**<label for="username" id="username-label" class="block mb-2 text-sm font-medium text-desc"></label>**

**<input type="text" id="username" class="border text-sm rounded-lg focus:ring-cyan-500 focus:border-cyan-500 block w-full p-2.5" required>**

**</div>**

**<div class="mb-6">**

**<label for="password" data-key="passwordLabel" class="block mb-2 text-sm font-medium text-desc">Password</label>**

**<input type="password" id="password" class="border text-sm rounded-lg focus:ring-cyan-500 focus:border-cyan-500 block w-full p-2.5" placeholder="•••••••••" required>**

**</div>**

**<p id="login-error" class="text-red-500 text-sm text-center mb-4 hidden"></p>**

**<button type="submit" data-key="loginButton" class="w-full bg-cyan-500 hover:bg-cyan-600 text-white font-bold py-3 px-8 rounded-lg text-lg transition">Login</button>**

**<button type="button" id="back-to-menu-from-login" data-key="backToMenuButton" class="w-full mt-4 btn-secondary font-bold py-2 px-4 rounded-lg">Kembali ke Menu</button>**

**</form>**

**</div>**

**<!-- Admin Dashboard Screen -->**

**<div id="admin-screen" class="hidden">**

**<div class="flex justify-between items-start">**

**<div>**

**<h1 data-key="adminTitle" class="text-3xl font-bold text-accent mb-2">Dasbor Guru</h1>**

**<p id="admin-welcome" class="text-desc mb-6"></p>**

**</div>**

**<button id="admin-logout-btn" data-key="logoutButton" class="bg-red-600 hover:bg-red-700 text-white font-bold py-2 px-4 rounded-lg">Logout</button>**

**</div>**

**<div class="border-b border-gray-600 mb-4">**

**<nav class="-mb-px flex gap-4" aria-label="Tabs">**

**<button class="admin-tab active whitespace-nowrap py-3 px-1 border-b-2 font-medium text-sm" data-tab="results" data-key="resultsTab">Hasil Siswa</button>**

**<button class="admin-tab whitespace-nowrap py-3 px-1 border-b-2 font-medium text-sm border-transparent" data-tab="exam-questions" data-key="examQuestionsTab">Kelola Soal Ujian</button>**

**<button class="admin-tab whitespace-nowrap py-3 px-1 border-b-2 font-medium text-sm border-transparent" data-tab="quiz-questions" data-key="quizQuestionsTab">Kelola Soal Kuis</button>**

**</nav>**

**</div>**

**<div id="admin-tab-content">**

**<div id="admin-results-content">**

**<div class="bg-tertiary p-4 rounded-lg mb-4">**

**<h3 data-key="summaryTitle" class="text-lg font-semibold mb-2">Ringkasan</h3>**

**<p><span data-key="studentsSubmitted">Jumlah Siswa Mengerjakan Ujian:</span> <span id="submission-count" class="font-bold text-accent">0</span></p>**

**</div>**

**<div id="exam-results-list" class="space-y-3 max-h-[40vh] overflow-y-auto pr-2"></div>**

**</div>**

**<div id="admin-questions-content" class="hidden">**

**<div class="flex justify-between items-center mb-4">**

**<select id="grade-selector" class="border text-sm rounded-lg focus:ring-cyan-500 focus:border-cyan-500 p-2.5"></select>**

**<button id="add-question-btn" data-key="addQuestionButton" class="bg-cyan-500 hover:bg-cyan-600 text-white font-bold py-2 px-4 rounded-lg">Tambah Soal Baru</button>**

**</div>**

**<div id="question-list" class="space-y-3 max-h-[40vh] overflow-y-auto pr-2"></div>**

**</div>**

**</div>**

**</div>**

**<!-- Quiz/Exam Screen -->**

**<div id="quiz-screen" class="hidden">**

**<div class="flex justify-between items-center mb-4">**

**<h2 id="quiz-title" class="text-xl font-bold text-accent"></h2>**

**<div id="score-display" class="text-lg font-semibold bg-tertiary px-4 py-1 rounded-lg"><span data-key="scoreLabel">Skor</span>: <span id="score">0</span></div>**

**</div>**

**<div class="w-full bg-tertiary rounded-full h-2.5 mb-6">**

**<div id="progress-bar" class="bg-cyan-500 h-2.5 rounded-full" style="width: 0%"></div>**

**</div>**

**<img id="question-image" src="" alt="Gambar Soal" class="max-w-xs mx-auto rounded-lg mb-4 hidden">**

**<p id="question-text" class="text-xl md:text-2xl font-medium mb-8 min-h-[60px] text-center"></p>**

**<div id="answer-buttons" class="grid grid-cols-1 md:grid-cols-2 gap-4"></div>**

**<div class="mt-8 flex justify-between items-center">**

**<button id="back-to-menu-from-quiz" data-key="backButton" class="btn-secondary font-bold py-2 px-6 rounded-lg transition">Kembali</button>**

**<button id="next-btn" data-key="nextButton" class="bg-cyan-500 hover:bg-cyan-600 text-white font-bold py-2 px-6 rounded-lg transition hidden">Selanjutnya &rarr;</button>**

**<button id="finish-btn" data-key="finishButton" class="bg-green-500 hover:bg-green-600 text-white font-bold py-2 px-6 rounded-lg transition hidden">Selesai</button>**

**</div>**

**</div>**

**<!-- Results Screen -->**

**<div id="results-screen" class="hidden text-center">**

**<h1 data-key="resultsTitle" class="text-3xl md:text-4xl font-bold text-accent mb-4">Hasil Anda</h1>**

**<div id="result-details" class="bg-tertiary rounded-lg p-6 mb-8 text-2xl">**

**<p id="student-name-result" class="text-xl mb-4 hidden"></p>**

**<p data-key="finalScoreLabel">Skor Akhir:</p>**

**<p class="text-5xl font-bold my-4 text-accent"><span id="final-score">0</span> / <span id="total-questions">0</span></p>**

**<p id="result-message" class="text-lg text-desc"></p>**

**</div>**

**<button id="restart-btn" data-key="backToMainMenuButton" class="bg-cyan-500 hover:bg-cyan-600 text-white font-bold py-3 px-8 rounded-lg text-lg transition">Kembali ke Menu Utama</button>**

**</div>**

**</div>**

**<!-- Question Editor Modal -->**

**<div id="question-editor-modal" class="fixed inset-0 z-50 hidden items-center justify-center p-4" >**

**<div class="w-full max-w-2xl bg-secondary rounded-2xl shadow-2xl p-6 border border-gray-600 relative">**

**<h2 id="modal-title" class="text-2xl font-bold text-accent mb-6"></h2>**

**<form id="question-form">**

**<input type="hidden" id="question-mode">**

**<input type="hidden" id="question-grade">**

**<input type="hidden" id="question-index">**

**<div class="mb-4">**

**<label for="question-input" data-key="questionLabel" class="block mb-2 text-sm font-medium text-desc">Pertanyaan</label>**

**<textarea id="question-input" rows="3" class="border text-sm rounded-lg block w-full p-2.5" required></textarea>**

**</div>**

**<div class="mb-4">**

**<label for="image-url-input" data-key="imageUrlLabel" class="block mb-2 text-sm font-medium text-desc">URL Gambar (Opsional)</label>**

**<input type="text" id="image-url-input" class="border text-sm rounded-lg block w-full p-2.5">**

**</div>**

**<hr class="border-gray-600 my-4">**

**<div id="answers-container" class="space-y-3 mb-6">**

**</div>**

**<div class="flex justify-between items-center">**

**<p data-key="correctAnswerInfo" class="text-sm text-desc">Pilih jawaban yang benar</p>**

**<button type="button" id="add-answer-btn" data-key="addAnswerButton" class="btn-secondary text-xs font-bold py-1 px-3 rounded-md">+ Jawaban</button>**

**</div>**

**<div class="mt-8 flex justify-end gap-4">**

**<button type="button" id="cancel-edit-btn" data-key="cancelButton" class="btn-secondary font-bold py-2 px-6 rounded-lg">Batal</button>**

**<button type="submit" id="save-question-btn" data-key="saveButton" class="bg-green-600 hover:bg-green-700 text-white font-bold py-2 px-6 rounded-lg">Simpan</button>**

**</div>**

**</form>**

**</div>**

**</div>**

**<script>**

**// --- KONFIGURASI & DATABASE ---**

**const QUIZ\_ACCESS\_CODE = "12345";**

**const adminDatabase = [{ username: "guru", password: "guruspesial", name: "Ibu Guru" }];**

**const studentDatabase = [**

**{ nisn: "12345678", password: "password123", name: "Andi Pratama", grade: 12 },**

**{ nisn: "87654321", password: "password456", name: "Bunga Citra", grade: 11 },**

**{ nisn: "11223344", password: "password789", name: "Candra Wijaya", grade: 10 }**

**];**

**let examResultsDatabase = [];**

**let questionsDB = {**

**id: {**

**quiz: {**

**10: [ { question: "Siapakah presiden pertama Republik Indonesia?", answers: [{ text: "Soekarno", correct: true }, { text: "Soeharto", correct: false }] }],**

**11: [ { question: "Apa ibukota dari negara Jepang?", answers: [{ text: "Tokyo", correct: true }, { text: "Kyoto", correct: false }] }],**

**12: [ { question: "Planet terbesar di tata surya kita adalah...", answers: [{ text: "Jupiter", correct: true }, { text: "Saturnus", correct: false }] }]**

**},**

**exam: {**

**10: [{ question: "Bagian sel tumbuhan yang berfungsi untuk fotosintesis adalah...", image: "https://placehold.co/400x200/22c55e/ffffff?text=Sel+Tumbuhan", answers: [{ text: "Kloroplas", correct: true }, { text: "Mitokondria", correct: false }, { text: "Nukleus", correct: false }] }],**

**11: [{ question: "Rumus kimia untuk air adalah...", answers: [{ text: "H2O", correct: true }, { text: "CO2", correct: false }] }],**

**12: [{ question: "Pada gambar rangkaian listrik ini, berapakah total resistansinya jika R1=5Ω dan R2=10Ω disusun seri?", image: "https://placehold.co/400x200/3b82f6/ffffff?text=Rangkaian+Seri", answers: [{ text: "15Ω", correct: true }, { text: "5Ω", correct: false }] }]**

**}**

**},**

**en: { /\* English questions structure is similar \*/ }**

**};**

**const uiText = {**

**id: { portalTitle: "Portal Ujian & Kuis", welcomeMessage: "Selamat datang! Silakan pilih mode yang Anda inginkan.", quizModeTitle: "Kuis Latihan", quizModeDesc: "Asah pengetahuan dengan kode", examModeTitle: "Ujian Semester", examModeDescStudent: "Wajib login dengan NISN", adminLoginLink: "Login sebagai Guru (Admin)", loginTitleStudent: "Login Siswa", loginDescStudent: "Masukkan NISN dan Password Anda.", loginTitleAdmin: "Login Guru (Admin)", loginDescAdmin: "Masukkan Username dan Password khusus.", usernameLabelStudent: "NISN", usernameLabelAdmin: "Username Guru", passwordLabel: "Password", invalidLoginError: "Login Gagal! Periksa kembali data Anda.", noQuestionsError: "Saat ini belum ada soal ujian untuk kelas Anda.", loginButton: "Login", backToMenuButton: "Kembali ke Menu", adminTitle: "Dasbor Guru", adminWelcome: "Selamat datang,", logoutButton: "Logout", resultsTab: "Hasil Siswa", examQuestionsTab: "Kelola Soal Ujian", quizQuestionsTab: "Kelola Soal Kuis", summaryTitle: "Ringkasan", studentsSubmitted: "Jumlah Siswa Mengerjakan Ujian:", noResultsMessage: "Belum ada siswa yang mengerjakan ujian.", addQuestionButton: "Tambah Soal Baru", gradeLabel: "Kelas", editButton: "Ubah", deleteButton: "Hapus", modalTitleAdd: "Tambah Soal Baru", modalTitleEdit: "Ubah Soal", questionLabel: "Pertanyaan", imageUrlLabel: "URL Gambar (Opsional)", correctAnswerInfo: "Pilih jawaban yang benar", addAnswerButton: "+ Jawaban", cancelButton: "Batal", saveButton: "Simpan", quizCodeTitle: "Masuk Kuis Latihan", quizCodeDesc: "Masukkan kode akses untuk memulai.", accessCodeLabel: "Kode Akses", invalidCodeError: "Kode akses salah!", enterButton: "Masuk", scoreLabel: "Skor", backButton: "Kembali", nextButton: "Selanjutnya →", finishButton: "Selesai", resultsTitle: "Hasil Anda", finalScoreLabel: "Skor Akhir:", backToMainMenuButton: "Kembali ke Menu Utama" },**

**en: { portalTitle: "Exam & Quiz Portal", welcomeMessage: "Welcome! Please select your desired mode.", quizModeTitle: "Practice Quiz", quizModeDesc: "Test your knowledge with a code", examModeTitle: "Semester Exam", examModeDescStudent: "Login with NISN is required", adminLoginLink: "Login as Teacher (Admin)", loginTitleStudent: "Student Login", loginDescStudent: "Enter your NISN and Password.", loginTitleAdmin: "Teacher (Admin) Login", loginDescAdmin: "Enter your special Username and Password.", usernameLabelStudent: "NISN", usernameLabelAdmin: "Teacher Username", passwordLabel: "Password", invalidLoginError: "Login Failed! Please check your credentials.", noQuestionsError: "There are currently no exam questions for your grade.", loginButton: "Login", backToMenuButton: "Back to Menu", adminTitle: "Teacher Dashboard", adminWelcome: "Welcome,", logoutButton: "Logout", resultsTab: "Student Results", examQuestionsTab: "Manage Exam Questions", quizQuestionsTab: "Manage Quiz Questions", summaryTitle: "Summary", studentsSubmitted: "Number of Students who took the Exam:", noResultsMessage: "No students have taken the exam yet.", addQuestionButton: "Add New Question", gradeLabel: "Grade", editButton: "Edit", deleteButton: "Delete", modalTitleAdd: "Add New Question", modalTitleEdit: "Edit Question", questionLabel: "Question", imageUrlLabel: "Image URL (Optional)", correctAnswerInfo: "Select the correct answer", addAnswerButton: "+ Answer", cancelButton: "Cancel", saveButton: "Save", quizCodeTitle: "Enter Practice Quiz", quizCodeDesc: "Enter the access code to start.", accessCodeLabel: "Access Code", invalidCodeError: "Incorrect access code!", enterButton: "Enter", scoreLabel: "Score", backButton: "Back", nextButton: "Next →", finishButton: "Finish", resultsTitle: "Your Results", finalScoreLabel: "Final Score:", backToMainMenuButton: "Back to Main Menu" }**

**};**

**// --- ELEMENTS ---**

**const screens = { mainMenu: document.getElementById('main-menu-screen'), quizCode: document.getElementById('quiz-code-screen'), login: document.getElementById('login-screen'), quiz: document.getElementById('quiz-screen'), results: document.getElementById('results-screen'), admin: document.getElementById('admin-screen') };**

**const themeToggleBtn = document.getElementById('theme-toggle-btn');**

**const langIdBtn = document.getElementById('lang-id-btn');**

**const langEnBtn = document.getElementById('lang-en-btn');**

**const startQuizModeBtn = document.getElementById('start-quiz-mode-btn');**

**const startExamModeBtn = document.getElementById('start-exam-mode-btn');**

**const adminLoginLink = document.getElementById('admin-login-link');**

**const loginTitle = document.getElementById('login-title');**

**const loginDesc = document.getElementById('login-desc');**

**const usernameLabel = document.getElementById('username-label');**

**const loginForm = document.getElementById('login-form');**

**const loginError = document.getElementById('login-error');**

**const quizCodeForm = document.getElementById('quiz-code-form');**

**const quizCodeError = document.getElementById('quiz-code-error');**

**const adminWelcomeEl = document.getElementById('admin-welcome');**

**const adminTabs = document.querySelectorAll('.admin-tab');**

**const adminResultsContent = document.getElementById('admin-results-content');**

**const adminQuestionsContent = document.getElementById('admin-questions-content');**

**const submissionCountEl = document.getElementById('submission-count');**

**const examResultsListEl = document.getElementById('exam-results-list');**

**const gradeSelector = document.getElementById('grade-selector');**

**const questionListEl = document.getElementById('question-list');**

**const addQuestionBtn = document.getElementById('add-question-btn');**

**const questionEditorModal = document.getElementById('question-editor-modal');**

**const questionForm = document.getElementById('question-form');**

**const modalTitle = document.getElementById('modal-title');**

**const quizTitle = document.getElementById('quiz-title');**

**const scoreDisplay = document.getElementById('score-display');**

**const progressBar = document.getElementById('progress-bar');**

**const questionImageEl = document.getElementById('question-image');**

**const questionTextEl = document.getElementById('question-text');**

**const answerButtonsEl = document.getElementById('answer-buttons');**

**const scoreEl = document.getElementById('score');**

**const nextBtn = document.getElementById('next-btn');**

**const finishBtn = document.getElementById('finish-btn');**

**const studentNameResultEl = document.getElementById('student-name-result');**

**const finalScoreEl = document.getElementById('final-score');**

**const totalQuestionsEl = document.getElementById('total-questions');**

**const resultMessageEl = document.getElementById('result-message');**

**// --- APP STATE ---**

**let currentQuestionIndex, score, questions = [], userAnswers = [], currentMode = '', currentUser = null, currentLanguage = 'id', currentLoginType = 'student';**

**// --- FUNCTIONS ---**

**function showScreen(screen) { Object.values(screens).forEach(s => s.classList.add('hidden')); screen.classList.remove('hidden'); }**

**function changeLanguage(lang) {**

**currentLanguage = lang;**

**document.documentElement.lang = lang;**

**langIdBtn.classList.toggle('active', lang === 'id');**

**langEnBtn.classList.toggle('active', lang === 'en');**

**document.querySelectorAll('[data-key]').forEach(el => {**

**const key = el.dataset.key;**

**if (uiText[lang] && uiText[lang][key]) { el.innerText = uiText[lang][key]; }**

**});**

**if (!screens.admin.classList.contains('hidden')) { renderResultsDashboard(); renderQuestionManager(document.querySelector('.admin-tab.active').dataset.tab); }**

**if (!screens.login.classList.contains('hidden')) { setupLoginForm(currentLoginType); }**

**}**

**function toggleTheme() {**

**const html = document.documentElement;**

**html.classList.toggle('dark');**

**html.classList.toggle('light');**

**document.getElementById('theme-icon-dark').classList.toggle('hidden');**

**document.getElementById('theme-icon-light').classList.toggle('hidden');**

**localStorage.setItem('theme', html.classList.contains('dark') ? 'dark' : 'light');**

**}**

**function setupLoginForm(type) {**

**currentLoginType = type;**

**loginForm.reset();**

**loginError.classList.add('hidden');**

**if (type === 'student') {**

**loginTitle.dataset.key = 'loginTitleStudent';**

**loginDesc.dataset.key = 'loginDescStudent';**

**usernameLabel.dataset.key = 'usernameLabelStudent';**

**document.getElementById('username').placeholder = 'Masukkan NISN';**

**} else { // admin**

**loginTitle.dataset.key = 'loginTitleAdmin';**

**loginDesc.dataset.key = 'loginDescAdmin';**

**usernameLabel.dataset.key = 'usernameLabelAdmin';**

**document.getElementById('username').placeholder = 'Masukkan Username Guru';**

**}**

**changeLanguage(currentLanguage);**

**showScreen(screens.login);**

**}**

**function renderResultsDashboard() {**

**submissionCountEl.innerText = examResultsDatabase.length;**

**examResultsListEl.innerHTML = '';**

**if (examResultsDatabase.length === 0) {**

**examResultsListEl.innerHTML = `<p class="text-desc text-center italic" data-key="noResultsMessage">${uiText[currentLanguage].noResultsMessage}</p>`;**

**} else {**

**examResultsDatabase.forEach(result => {**

**const resultDiv = document.createElement('div');**

**resultDiv.className = 'p-3 bg-tertiary rounded-lg flex justify-between items-center text-sm';**

**const submissionTime = new Date(result.timestamp).toLocaleString(currentLanguage === 'id' ? 'id-ID' : 'en-US');**

**resultDiv.innerHTML = `<div><p class="font-bold">${result.name} <span class="font-normal text-desc">(NISN: ${result.nisn})</span></p><p class="text-xs text-desc">${submissionTime}</p></div><p class="font-bold text-lg text-accent">${result.score} / ${result.totalQuestions}</p>`;**

**examResultsListEl.appendChild(resultDiv);**

**});**

**}**

**}**

**function renderQuestionManager(mode) {**

**const isExam = mode === 'exam-questions';**

**const questionMode = isExam ? 'exam' : 'quiz';**

**gradeSelector.innerHTML = '';**

**const grades = Object.keys(questionsDB.id[questionMode]);**

**grades.forEach(grade => {**

**const option = document.createElement('option');**

**option.value = grade;**

**option.innerText = `${uiText[currentLanguage].gradeLabel} ${grade}`;**

**gradeSelector.appendChild(option);**

**});**

**populateQuestionList(gradeSelector.value, questionMode);**

**}**

**function populateQuestionList(grade, mode) {**

**questionListEl.innerHTML = '';**

**const questions = questionsDB.id[mode][grade] || [];**

**questions.forEach((q, index) => {**

**const qDiv = document.createElement('div');**

**qDiv.className = 'p-3 bg-tertiary rounded-lg';**

**qDiv.innerHTML = `<div class="flex justify-between items-start"><p class="text-sm flex-1 pr-4">${index + 1}. ${q.question}</p><div class="flex gap-2"><button class="edit-btn text-xs bg-sky-600 hover:bg-sky-700 px-2 py-1 rounded" data-key="editButton"></button><button class="delete-btn text-xs bg-red-600 hover:bg-red-700 px-2 py-1 rounded" data-key="deleteButton"></button></div></div>`;**

**qDiv.querySelector('.edit-btn').addEventListener('click', () => showQuestionModal(mode, grade, index));**

**qDiv.querySelector('.delete-btn').addEventListener('click', () => handleDeleteQuestion(mode, grade, index));**

**questionListEl.appendChild(qDiv);**

**});**

**changeLanguage(currentLanguage);**

**}**

**function showQuestionModal(mode, grade, index = null) {**

**questionForm.reset();**

**document.getElementById('question-mode').value = mode;**

**document.getElementById('question-grade').value = grade;**

**document.getElementById('question-index').value = index;**

**document.getElementById('answers-container').innerHTML = '';**

**if (index !== null) { // Editing**

**modalTitle.dataset.key = "modalTitleEdit";**

**const question = questionsDB.id[mode][grade][index];**

**document.getElementById('question-input').value = question.question;**

**document.getElementById('image-url-input').value = question.image || '';**

**question.answers.forEach(ans => addAnswerField(ans.text, ans.correct));**

**} else { // Adding**

**modalTitle.dataset.key = "modalTitleAdd";**

**addAnswerField('', false); addAnswerField('', false);**

**}**

**changeLanguage(currentLanguage);**

**questionEditorModal.classList.add('flex');**

**questionEditorModal.classList.remove('hidden');**

**}**

**function addAnswerField(text = '', isCorrect = false) {**

**const id = `answer-${Date.now()}`;**

**const div = document.createElement('div');**

**div.className = 'flex items-center gap-2';**

**div.innerHTML = `<div class="flex-grow"><input type="text" value="${text}" class="answer-text border text-sm rounded-lg block w-full p-2.5" required></div><div class="flex items-center gap-2"><input type="radio" name="correct-answer" id="${id}" class="correct-answer-radio w-4 h-4" ${isCorrect ? 'checked' : ''}><button type="button" class="remove-answer-btn text-red-500 hover:text-red-400 font-bold">X</button></div>`;**

**div.querySelector('.remove-answer-btn').addEventListener('click', () => div.remove());**

**document.getElementById('answers-container').appendChild(div);**

**}**

**function handleSaveQuestion(e) {**

**e.preventDefault();**

**const mode = document.getElementById('question-mode').value;**

**const grade = document.getElementById('question-grade').value;**

**let index = document.getElementById('question-index').value;**

**const answers = Array.from(document.querySelectorAll('#answers-container .flex.items-center.gap-2')).map(div => ({ text: div.querySelector('.answer-text').value, correct: div.querySelector('.correct-answer-radio').checked }));**

**if (!answers.some(a => a.correct)) { alert("Silakan pilih satu jawaban yang benar."); return; }**

**const newQuestion = { question: document.getElementById('question-input').value, image: document.getElementById('image-url-input').value || undefined, answers: answers };**

**if (index !== 'null' && index !== '') { questionsDB.id[mode][grade][parseInt(index)] = newQuestion; } else { if (!questionsDB.id[mode][grade]) questionsDB.id[mode][grade] = []; questionsDB.id[mode][grade].push(newQuestion); }**

**questionEditorModal.classList.add('hidden');**

**questionEditorModal.classList.remove('flex');**

**populateQuestionList(grade, mode);**

**}**

**function handleDeleteQuestion(mode, grade, index) {**

**if (confirm("Apakah Anda yakin ingin menghapus soal ini?")) {**

**questionsDB.id[mode][grade].splice(index, 1);**

**populateQuestionList(grade, mode);**

**}**

**}**

**function startQuiz(mode) {**

**currentMode = mode; currentQuestionIndex = 0; score = 0; scoreEl.innerText = score;**

**if (mode === 'quiz') {**

**const allQuizQuestions = Object.values(questionsDB.id.quiz).flat();**

**questions = shuffleArray(allQuizQuestions);**

**} else {**

**questions = shuffleArray([...(questionsDB.id.exam[currentUser.grade] || [])]);**

**}**

**quizTitle.dataset.key = mode === 'quiz' ? 'quizModeTitle' : 'examModeTitle';**

**changeLanguage(currentLanguage);**

**scoreDisplay.style.display = mode === 'quiz' ? 'block' : 'none';**

**userAnswers = new Array(questions.length).fill(null);**

**showScreen(screens.quiz);**

**showQuestion();**

**}**

**function shuffleArray(array) { return array.sort(() => Math.random() - 0.5); }**

**function showQuestion() {**

**resetState();**

**const currentQuestion = questions[currentQuestionIndex];**

**if(!currentQuestion) { showResults(); return; } // No questions available**

**if (currentQuestion.image) { questionImageEl.src = currentQuestion.image; questionImageEl.classList.remove('hidden'); }**

**questionTextEl.innerText = `${currentQuestionIndex + 1}. ${currentQuestion.question}`;**

**progressBar.style.width = `${((currentQuestionIndex + 1) / questions.length) \* 100}%`;**

**shuffleArray(currentQuestion.answers).forEach(answer => {**

**const button = document.createElement('button');**

**button.innerText = answer.text;**

**button.className = 'w-full btn-secondary border p-4 rounded-lg text-left hover:bg-slate-600 transition';**

**if (answer.correct) button.dataset.correct = "true";**

**button.addEventListener('click', selectAnswer);**

**answerButtonsEl.appendChild(button);**

**});**

**const isLastQuestion = currentQuestionIndex === questions.length - 1;**

**nextBtn.classList.add('hidden'); // Ensure next is hidden initially**

**finishBtn.classList.add('hidden'); // Ensure finish is hidden initially**

**}**

**function resetState() { nextBtn.classList.add('hidden'); finishBtn.classList.add('hidden'); questionImageEl.classList.add('hidden'); answerButtonsEl.innerHTML = ''; }**

**function selectAnswer(e) {**

**const selectedBtn = e.target;**

**const isLastQuestion = currentQuestionIndex === questions.length - 1;**

**if (currentMode === 'quiz') {**

**if (selectedBtn.dataset.correct) { score++; scoreEl.innerText = score; }**

**Array.from(answerButtonsEl.children).forEach(button => { button.classList.add(button.dataset.correct ? 'correct' : 'incorrect', 'btn-disabled'); });**

**if (!isLastQuestion) nextBtn.classList.remove('hidden');**

**else setTimeout(showResults, 1000);**

**} else { // Exam mode**

**Array.from(answerButtonsEl.children).forEach(b => b.classList.remove('selected', 'btn-disabled'));**

**selectedBtn.classList.add('selected', 'btn-disabled');**

**userAnswers[currentQuestionIndex] = selectedBtn.innerText;**

**// Make all buttons non-interactive after selection, and show next/finish**

**Array.from(answerButtonsEl.children).forEach(b => b.classList.add('btn-disabled'));**

**if (!isLastQuestion) {**

**nextBtn.classList.remove('hidden');**

**} else {**

**finishBtn.classList.remove('hidden');**

**}**

**}**

**}**

**function showResults() {**

**if (currentMode === 'exam') {**

**let examScore = 0;**

**questions.forEach((q, i) => { if (q.answers.find(a => a.correct) && q.answers.find(a => a.correct).text === userAnswers[i]) examScore++; });**

**score = examScore;**

**examResultsDatabase.push({ nisn: currentUser.nisn, name: currentUser.name, score: score, totalQuestions: questions.length, timestamp: new Date().toISOString() });**

**studentNameResultEl.innerText = `${currentUser.name} (NISN: ${currentUser.nisn})`;**

**studentNameResultEl.classList.remove('hidden');**

**} else {**

**studentNameResultEl.classList.add('hidden');**

**}**

**showScreen(screens.results);**

**finalScoreEl.innerText = score;**

**totalQuestionsEl.innerText = questions.length;**

**}**

**// --- EVENT LISTENERS ---**

**document.addEventListener('DOMContentLoaded', () => {**

**if (localStorage.getItem('theme') === 'light') { toggleTheme(); }**

**showScreen(screens.mainMenu);**

**changeLanguage('id');**

**themeToggleBtn.addEventListener('click', toggleTheme);**

**langIdBtn.addEventListener('click', () => changeLanguage('id'));**

**langEnBtn.addEventListener('click', () => changeLanguage('en'));**

**startQuizModeBtn.addEventListener('click', () => showScreen(screens.quizCode));**

**startExamModeBtn.addEventListener('click', () => setupLoginForm('student'));**

**adminLoginLink.addEventListener('click', (e) => { e.preventDefault(); setupLoginForm('admin'); });**

**[...document.querySelectorAll('[id^="back-to-menu-from-"], #restart-btn, #admin-logout-btn')].forEach(btn => {**

**btn.addEventListener('click', () => showScreen(screens.mainMenu));**

**});**

**quizCodeForm.addEventListener('submit', e => {**

**e.preventDefault();**

**if (document.getElementById('quiz-code').value === QUIZ\_ACCESS\_CODE) { quizCodeError.classList.add('hidden'); startQuiz('quiz'); } else { quizCodeError.classList.remove('hidden'); }**

**});**

**loginForm.addEventListener('submit', e => {**

**e.preventDefault();**

**const username = document.getElementById('username').value;**

**const password = document.getElementById('password').value;**

**loginError.classList.add('hidden'); // Hide previous errors**

**let user;**

**if (currentLoginType === 'student') {**

**user = studentDatabase.find(s => s.nisn === username && s.password === password);**

**if (user) {**

**currentUser = user;**

**const studentQuestions = questionsDB.id.exam[currentUser.grade] || [];**

**if (studentQuestions.length === 0) {**

**loginError.innerText = uiText[currentLanguage].noQuestionsError;**

**loginError.classList.remove('hidden');**

**} else {**

**startQuiz('exam');**

**}**

**} else {**

**loginError.innerText = uiText[currentLanguage].invalidLoginError;**

**loginError.classList.remove('hidden');**

**}**

**} else { // admin**

**user = adminDatabase.find(a => a.username === username && a.password === password);**

**if (user) {**

**adminWelcomeEl.innerText = `${uiText[currentLanguage].adminWelcome} ${user.name}`;**

**showScreen(screens.admin);**

**renderResultsDashboard();**

**adminTabs[0].click();**

**} else {**

**loginError.innerText = uiText[currentLanguage].invalidLoginError;**

**loginError.classList.remove('hidden');**

**}**

**}**

**});**

**adminTabs.forEach(tab => {**

**tab.addEventListener('click', () => {**

**adminTabs.forEach(t => t.classList.remove('active'));**

**tab.classList.add('active');**

**const isResults = tab.dataset.tab === 'results';**

**adminResultsContent.classList.toggle('hidden', !isResults);**

**adminQuestionsContent.classList.toggle('hidden', isResults);**

**if (!isResults) { renderQuestionManager(tab.dataset.tab); } else { renderResultsDashboard(); }**

**});**

**});**

**gradeSelector.addEventListener('change', (e) => {**

**const mode = document.querySelector('.admin-tab.active').dataset.tab;**

**populateQuestionList(e.target.value, mode.startsWith('exam') ? 'exam' : 'quiz');**

**});**

**addQuestionBtn.addEventListener('click', () => {**

**const mode = document.querySelector('.admin-tab.active').dataset.tab;**

**showQuestionModal(mode.startsWith('exam') ? 'exam' : 'quiz', gradeSelector.value, null);**

**});**

**questionForm.addEventListener('submit', handleSaveQuestion);**

**document.getElementById('cancel-edit-btn').addEventListener('click', () => { questionEditorModal.classList.add('hidden'); questionEditorModal.classList.remove('flex'); });**

**document.getElementById('add-answer-btn').addEventListener('click', () => addAnswerField());**

**nextBtn.addEventListener('click', () => {**

**currentQuestionIndex++;**

**showQuestion();**

**});**

**finishBtn.addEventListener('click', showResults);**

**});**

**</script>**

**</body>**

**</html>**