<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Job Photo Organizer</title>

    <!-- Load Tailwind CSS -->

    <script src="[[https://cdn.tailwindcss.com](https://cdn.tailwindcss.com/)]([https://cdn.tailwindcss.com](https://cdn.tailwindcss.com/))"></script>

    <style>

        /\* Custom scrollbar for aesthetics on dark theme \*/

        body {

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

            background-color: #1f2937; /\* Dark Gray Background \*/

        }

        /\* Override default input text color for dark backgrounds \*/

        input, textarea, select {

            color: #1f2937; /\* Dark text on light input background \*/

        }

        .scroll-area::-webkit-scrollbar {

            width: 8px;

        }

        .scroll-area::-webkit-scrollbar-thumb {

            background-color: #4b5563; /\* Gray-600 \*/

            border-radius: 4px;

        }

        .scroll-area::-webkit-scrollbar-track {

            background-color: #374151; /\* Gray-700 \*/

        }

        /\* Mobile focus for inputs \*/

        input:focus, textarea:focus, select:focus {

            border-color: #dc2626; /\* Red-600 \*/

            box-shadow: 0 0 0 1px #dc2626;

        }

        /\* Hide the default file input text \*/

        .hidden-file-input {

            display: none;

        }

        /\* Styles for the video stream \*/

        #video-stream {

            width: 100%;

            max-width: 100%;

            height: auto;

            max-height: 70vh;

            background: #000;

        }

        /\* Style for the image in the viewer \*/

        #viewer-image {

            max-width: 100%;

            max-height: 90vh; /\* Limits height to 90% of viewport height \*/

        }

        /\* Signature Canvas Style \*/

        #signature-canvas {

            border: 1px dashed #ef4444; /\* Red border \*/

            background-color: #111827; /\* Black background for signature \*/

            touch-action: none; /\* Prevents scrolling/zooming while signing \*/

        }

        /\* Grid View Styling \*/

        .card-grid {

            display: grid;

            gap: 1.5rem; /\* 6 \*/

            grid-template-columns: repeat(1, minmax(0, 1fr));

        }

        @media (min-width: 640px) { /\* sm \*/

            .card-grid {

                grid-template-columns: repeat(2, minmax(0, 1fr));

            }

        }

        @media (min-width: 1024px) { /\* lg \*/

            .card-grid {

                grid-template-columns: repeat(2, minmax(0, 1fr)); /\* Keep 2 columns on desktop for better card height \*/

            }

        }

    </style>

</head>

<body class="bg-gray-900 text-white">

    <div id="app" class="min-h-screen p-4 sm:p-6 lg:p-8 bg-gray-900">

        <!-- Header -->

        <header class="mb-6 pb-4 border-b border-red-700">

            <h1 class="text-3xl font-extrabold text-red-500 mb-1">Job Photo Organizer</h1>

            <p class="text-sm text-gray-400">Real-time collaboration for sorting job details and photos.</p>

            <div id="auth-status" class="mt-2 text-xs font-mono p-2 bg-gray-800 text-red-400 rounded-lg border border-red-700/50">

                Loading user data...

            </div>

            <!-- NEW: Dedicated Sharing Center -->

            <div class="mt-4 p-3 bg-gray-700 rounded-lg border border-red-700/50">

                <p class="text-sm font-semibold text-white mb-2">Share This App (Copy URL Below):</p>

                <div class="flex space-x-2">

                    <input type="text" id="share-link-input" readonly value="Loading URL..."

                           class="flex-1 p-2 bg-gray-200 text-gray-900 text-xs truncate rounded-lg border border-gray-600">

                    <button type="button" id="copy-share-link-button"

                            class="bg-red-600 hover:bg-red-700 text-white font-bold py-2 px-3 rounded-lg text-sm transition duration-300 flex-shrink-0">

                        Copy Link

                    </button>

                </div>

                <p id="copy-status" class="text-xs text-green-400 mt-1 hidden"></p>

            </div>

            <!-- END Sharing Center -->

        </header>

        <!-- Main Content Grid -->

        <div class="lg:grid lg:grid-cols-3 lg:gap-8">

            <!-- Left Column: Form and Camera View -->

            <div class="lg:col-span-1 mb-8 lg:mb-0">

                <!-- Camera View Container (Hidden by default) -->

                <div id="camera-view-container" class="sticky top-4 bg-gray-900 p-4 rounded-2xl shadow-xl border border-red-700 hidden">

                    <h2 class="text-xl font-semibold text-white mb-2">Live Camera Feed</h2>

                    <video id="video-stream" class="w-full rounded-lg bg-black block" autoplay playsinline></video>

                    <canvas id="camera-canvas" class="hidden"></canvas>

                    <p id="camera-error-message" class="text-red-400 text-sm mt-2 hidden"></p>

                    <!-- Camera Control Buttons (Take Photo on Right) -->

                    <div class="flex space-x-2 mt-4">

                        <button type="button" id="close-camera-button" class="flex-1 bg-gray-700 hover:bg-gray-600 text-white font-bold py-3 rounded-lg transition duration-300 shadow-lg">

 Close Camera

                        </button>

                        <button type="button" id="capture-photo-button" class="flex-1 bg-red-600 hover:bg-red-700 text-white font-bold py-3 rounded-lg transition duration-300 shadow-lg">

 Take Photo

                        </button>

                    </div>

                </div>

                <!-- Main Form Container -->

                <div id="form-container" class="sticky top-4 bg-gray-800 p-6 rounded-2xl shadow-xl border border-red-700">

                    <h2 class="text-xl font-semibold text-white mb-4">Add New Job Card</h2>

                    <form id="add-job-form" class="space-y-4">

                        <input type="text" id="work-order-id" placeholder="Work Order ID (e.g., WO-1234)" required

                               class="w-full p-2 bg-gray-200 text-gray-900 border border-gray-600 rounded-lg focus:ring-red-500 focus:border-red-500 transition">

                        <input type="text" id="job-title" placeholder="Job Title (e.g., Roof Repair Phase 1)" required

                               class="w-full p-2 bg-gray-200 text-gray-900 border border-gray-600 rounded-lg focus:ring-red-500 focus:border-red-500 transition">

                        <!-- NEW: Job Status Dropdown -->

                        <select id="job-status" required class="w-full p-2 bg-gray-200 text-gray-900 border border-gray-600 rounded-lg focus:ring-red-500 focus:border-red-500 transition">

                            <option value="Pending">Status: Pending</option>

                            <option value="In Progress">Status: In Progress</option>

                            <option value="Needs Review">Status: Needs Review</option>

                            <option value="Complete">Status: Complete</option>

                        </select>

                        <!-- Job Date/Time Input and Timestamp Button -->

                        <div class="space-y-2">

                            <label for="job-date" class="text-base font-semibold text-white block">Job Date & Time</label>

                            <div class="flex space-x-2">

                                <input type="datetime-local" id="job-date" required

                                       class="flex-1 p-2 bg-gray-200 text-gray-900 border border-gray-600 rounded-lg focus:ring-red-500 focus:border-red-500 transition">

                                <button type="button" id="timestamp-button" title="Set to current date and time"

                                        class="bg-red-500 hover:bg-red-600 text-white font-bold py-2 px-3 rounded-lg transition duration-300 shadow-md flex-shrink-0">

 Set Current

                                </button>

                            </div>

                        </div>

                        <!-- GPS Capture Section -->

                        <div class="space-y-2 pt-2 border-t border-gray-700">

                            <h3 class="text-base font-semibold text-white">Location & Photo:</h3>

                            <!-- Hidden inputs to store manually captured location -->

                            <input type="hidden" id="captured-lat" value="N/A">

                            <input type="hidden" id="captured-lng" value="N/A">

                            <button type="button" id="capture-gps-button"

                                    class="w-full bg-red-700 hover:bg-red-800 text-white font-bold py-2 px-4 rounded-lg transition duration-300 shadow-md hover:shadow-lg focus:outline-none focus:ring-4 focus:ring-red-600 focus:ring-opacity-50">

                                Capture Current GPS Location

                            </button>

                            <p id="captured-location-status" class="text-xs text-gray-400 mt-1 text-center">

                                Location status: Not captured.

                            </p>

                        </div>

                        <!-- Photo Input & Camera Section -->

                        <div class="pt-2 border-t border-gray-700 space-y-2">

                            <h3 class="text-base font-semibold text-white">Photo Capture/Selection:</h3>

                            <!-- 1. Dedicated Camera Button (triggers JS function now) -->

                            <button type="button" id="camera-button-label" class="block w-full text-center cursor-pointer bg-red-500 hover:bg-red-600 text-white font-bold py-3 px-4 rounded-lg transition duration-300 shadow-md">

 Take New Photo

                            </button>

                            <!-- 2. Dedicated Gallery Button for Batch Selection -->

                            <label for="gallery-photo-input" class="block w-full text-center cursor-pointer bg-gray-700 hover:bg-gray-600 text-white font-bold py-3 px-4 rounded-lg transition duration-300 shadow-sm">

 Select Multiple Photos from Gallery

                            </label>

                            <!-- Hidden input: Forces gallery, multiple files -->

                            <input type="file" id="gallery-photo-input" accept="image/\*" multiple class="hidden-file-input">

                            <!-- File Staging Area with Previews -->

                            <div class="mt-4 p-3 bg-gray-700 rounded-lg border border-red-700/50">

                                <h4 class="text-sm font-semibold text-white mb-2">Files to Upload (<span id="file-count">0</span>)</h4>

                                <ul id="selected-files-preview" class="space-y-2 text-xs">

                                    <li id="no-files-msg" class="text-gray-400 italic">No files selected.</li>

                                    <!-- Staged file previews will be injected here -->

                                </ul>

                            </div>

                        </div>

                        <!-- Customer Sign-Off Section -->

                        <div class="space-y-2 pt-4 border-t border-gray-700">

                            <h3 class="text-base font-semibold text-white">Customer Sign-Off:</h3>

                            <input type="text" id="customer-name" placeholder="Customer Printed Name"

                                   class="w-full p-2 bg-gray-200 text-gray-900 border border-gray-600 rounded-lg focus:ring-red-500 focus:border-red-500 transition">

                            <canvas id="signature-canvas" width="280" height="100" class="w-full rounded-lg shadow-md"></canvas>

                            <button type="button" id="clear-signature-button"

                                    class="w-full bg-red-400 hover:bg-red-500 text-gray-900 font-bold py-2 rounded-lg transition duration-300 text-sm">

                                Clear Signature

                            </button>

                        </div>

                        <textarea id="notes" placeholder="Job Notes / Description" rows="3"

                                  class="w-full p-2 bg-gray-200 text-gray-900 border border-gray-600 rounded-lg focus:ring-red-500 focus:border-red-500 transition"></textarea>

                        <button type="submit" id="add-job-button"

                                class="w-full bg-red-600 hover:bg-red-700 text-white font-bold py-2 px-4 rounded-xl transition duration-300 shadow-md hover:shadow-lg focus:outline-none focus:ring-4 focus:ring-red-500 focus:ring-opacity-50">

                            Add Job Card(s)

                        </button>

                    </form>

                    <div id="message-box" class="mt-4 p-3 text-sm hidden rounded-lg" role="alert"></div>

                </div>

            </div>

            <!-- Right Column: Job Cards List (Scrollable) -->

            <div class="lg:col-span-2 relative">

                <h2 class="text-2xl font-bold text-white mb-4">Current Job Cards</h2>

                <!-- Filter and Sort Controls -->

                <div class="flex flex-wrap gap-3 mb-4 items-end">

                    <!-- View Toggle -->

                    <button type="button" id="view-toggle-button"

                            class="bg-black text-white hover:bg-red-700 border border-red-500 py-2 px-3 rounded-lg text-sm transition duration-300 shadow-md">

 Switch to Grid View

                    </button>

                    <select id="sort-by" class="p-2 border border-gray-600 rounded-lg text-sm transition flex-1 bg-gray-700 text-white">

                        <option value="newest">Sort By: Newest First</option>

                        <option value="oldest">Sort By: Oldest First</option>

                        <option value="workorder">Sort By: Work Order ID (A-Z)</option>

                        <option value="jobdate">Sort By: Job Date/Time (Oldest)</option>

                    </select>

                    <select id="gps-filter" class="p-2 border border-gray-600 rounded-lg text-sm transition flex-1 bg-gray-700 text-white">

                        <option value="all">GPS: Show All Jobs</option>

                        <option value="missing">GPS: Missing Only</option>

                    </select>

                    <select id="status-filter" class="p-2 border border-gray-600 rounded-lg text-sm transition flex-1 bg-gray-700 text-white">

                        <option value="all">Status: Show All</option>

                        <option value="Pending">Status: Pending</option>

                        <option value="In Progress">Status: In Progress</option>

                        <option value="Needs Review">Status: Needs Review</option>

                        <option value="Complete">Status: Complete</option>

                    </select>

                </div>

                <!-- Search Input Bar -->

                <div class="relative mb-4">

                    <input type="text" id="search-input" placeholder="Search by Work Order ID or Job Title..."

                           class="w-full p-3 pl-10 border border-gray-600 rounded-xl focus:ring-red-500 focus:border-red-500 transition text-sm shadow-sm bg-gray-700 text-white">

                    <svg class="absolute left-3 top-1/2 transform -translate-y-1/2 h-5 w-5 text-gray-400" xmlns="[[http://www.w3.org/2000/svg](http://www.w3.org/2000/svg)](http://www.w3.org/2000/svg%5D(http:/www.w3.org/2000/svg))" fill="none" viewBox="0 0 24 24" stroke="currentColor">

                        <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M21 21l-6-6m2-5a7 7 0 11-14 0 7 7 0 0114 0z" />

                    </svg>

                </div>

                <!-- Export Button -->

                <button type="button" id="export-csv-button"

                        class="w-full mb-6 bg-black/80 hover:bg-red-500 text-white font-bold py-2 px-4 rounded-xl transition duration-300 shadow-md hover:shadow-lg focus:outline-none focus:ring-4 focus:ring-red-500 focus:ring-opacity-50 border border-white/50">

                    Export All Visible Jobs to CSV

                </button>

                <!-- Initial Loading Overlay -->

                <div id="initial-loading-overlay" class="absolute inset-0 bg-gray-900/90 z-10 flex flex-col items-center justify-center p-8 text-center rounded-xl">

                    <svg class="animate-spin h-10 w-10 text-red-500 mb-4" xmlns="[[http://www.w3.org/2000/svg](http://www.w3.org/2000/svg)](http://www.w3.org/2000/svg%5D(http:/www.w3.org/2000/svg))" fill="none" viewBox="0 0 24 24">

                        <circle class="opacity-25" cx="12" cy="12" r="10" stroke="currentColor" stroke-width="4"></circle>

                        <path class="opacity-75" fill="currentColor" d="M4 12a8 8 0 018-8V0C5.373 0 0 5.373 0 12h4zm2 5.291A7.962 7.962 0 014 12H0c0 3.042 1.135 5.824 3 7.938l3-2.647z"></path>

                    </svg>

                    <p id="loading-message" class="text-white text-lg font-semibold">Connecting to Shared Database...</p>

                    <button id="reload-button" class="mt-4 bg-red-600 hover:bg-red-700 text-white font-bold py-2 px-4 rounded-lg hidden" onclick="location.reload()">

                        Try Reloading

                    </button>

                </div>

                <!-- Job Cards List / Grid -->

                <div id="job-cards-list" class="space-y-6 scroll-area max-h-[70vh] overflow-y-auto">

                    <!-- Cards will be injected here after loading -->

                </div>

            </div>

        </div>

    </div>

    <!-- Full-Screen Image Viewer Modal (Lightbox) -->

    <div id="image-viewer-modal" class="fixed inset-0 z-50 bg-black bg-opacity-90 flex items-center justify-center p-4 hidden">

        <div class="relative w-full max-w-4xl max-h-full">

            <!-- Close Button -->

            <button id="close-image-viewer" class="absolute top-4 right-4 text-white hover:text-red-400 z-10 p-2 transition duration-300">

                <svg class="h-8 w-8" fill="none" viewBox="0 0 24 24" stroke="currentColor">

                    <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M6 18L18 6M6 6l12 12" />

                </svg>

            </button>

            <!-- Image -->

            <img id="viewer-image" src="" alt="Full-Screen Job Photo" class="max-w-full max-h-[90vh] object-contain mx-auto rounded-lg shadow-2xl">

        </div>

    </div>

    <!-- Firebase Imports -->

    <script type="module">

        import { initializeApp } from "[[https://www.gstatic.com/firebasejs/11.6.1/firebase-app.js](https://www.gstatic.com/firebasejs/11.6.1/firebase-app.js)](https://www.gstatic.com/firebasejs/11.6.1/firebase-app.js%5D(https:/www.gstatic.com/firebasejs/11.6.1/firebase-app.js))";

        import { getAuth, signInAnonymously, signInWithCustomToken, onAuthStateChanged } from "[[https://www.gstatic.com/firebasejs/11.6.1/firebase-auth.js](https://www.gstatic.com/firebasejs/11.6.1/firebase-auth.js)](https://www.gstatic.com/firebasejs/11.6.1/firebase-auth.js%5D(https:/www.gstatic.com/firebasejs/11.6.1/firebase-auth.js))";

        import { getFirestore, doc, addDoc, onSnapshot, collection, query, serverTimestamp, deleteDoc } from "[[https://www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js](https://www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js)](https://www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js%5D(https:/www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js))";

        import { setLogLevel } from "[[https://www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js](https://www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js)](https://www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js%5D(https:/www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js))";

        // Global Firebase and App Variables

        const appId = typeof \_\_app\_id !== 'undefined' ? \_\_app\_id : 'default-job-app-id';

        const firebaseConfig = typeof \_\_firebase\_config !== 'undefined' ? J