Mini Buyer Lead Intake App

Goal

Build a small app to capture, list, and manage buyer leads with validation, search/filter, and CSV import/export.

Tech Stack

- Next.js (App Router) + TypeScript
- Database: PostgreSQL / Supabase / SQLite with Prisma/Drizzle (with migrations)
- Zod for validation
- Auth: Magic link or demo login
- Git with meaningful commits

Core Features & Flows

1. Create Lead – validated form with buyer details, writes history on change.
2. List & Search – server-side pagination, filters (city, property type, status), debounced search, sortable by updatedAt.
3. View & Edit – concurrency-safe updates, validation, shows last 5 history changes.
4. Import/Export – CSV import (max 200 rows, transactional), CSV export (respects filters).
5. Auth & Ownership – logged-in users can read all, edit/delete only own leads.

Validation & Safety

- Zod-based client + server validation
- Constraints: phone 10–15 digits, budgetMax ≥ budgetMin, bhk required for Apartment/Villa.
- Ownership enforcement on updates/deletes
- Simple per-user rate limiting

Extras & Quality Bar

- Tag chips with typeahead
- Status quick-actions
- Full-text search (optional)
- Unit test (CSV validator)
- Error boundaries, accessibility basics, empty state UI

Impact

This project demonstrates end-to-end full-stack development with a strong focus on data validation, safety, and user experience. It is directly useful for real estate businesses to track and manage buyer leads effectively, ensuring clean data, easy imports/exports, and structured workflows. It reflects production-quality practices like migrations, access control, and SSR for performance.