

Rento QA Audit Report (November 11 2025)

Summary table

Feature	Role	PASS/ FAIL	Steps to reproduce (abridged)	URL/Route	Evidence (screenshots/console)
Authentication & session	Landlord & Tenant	PASS (with minor issues)	From the home page, sign in using the provided landlord and tenant credentials; refresh pages and verify the user remains authenticated; sign out and confirm redirection to the home page. Test dark-mode toggle and ensure major elements remain readable.	<code>/auth/sign-in,</code> <code>/dashboard</code>	Sign-in form and session persistence work; dark mode toggles the UI but some text has low contrast (body text on dark backgrounds) ¹ .
Protected routes	Both roles	PASS	Try to access <code>/dashboard</code> or <code>/favorites</code> while logged out; verify redirect to sign in; after login the pages load correctly.	<code>/dashboard,</code> <code>/favorites</code>	Redirects work as expected; sign-in page has accessible labels and focus states ² .

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Landlord: create/edit listing	Landlord	FAIL	<p>On the dashboard click Add listing, fill mandatory fields and publish. The form shows both a green "Listing created successfully" toast and a red PostgreSQL error complaining about duplicate slug ³. The new listing appears in the dashboard but its public page (<code>/property/qa-audit-listing</code>) returns 404 ⁴.</p> <p>Editing the listing and clicking Back to listings fails to navigate (no router link).</p>		<p>Duplicate slug error and missing public page demonstrate broken slug generation; 404 page evidence ⁴.</p>

Feature	Role	PASS/ FAIL	Steps to reproduce (abridged)	URL/Route	Evidence (screenshots/console)
Listings: browse & filters (tenant)	Tenant	PASS (minor issues)	From the tenant dashboard click Browse ; use filters (city, price slider, beds/baths). Results update accordingly and query params persist when refreshing the page. Grid layout remains stable; alt text exists for images.	<code>/browse? city=Waterloo</code> etc.	Filtering by city shows only matching properties; grid has no layout shift and alt text is descriptive ⁵ . Dark mode in browse may reduce contrast but still readable.
Favorites (add/ remove & persistence)	Tenant	FAIL	On the browse page click the heart icon on listings to save to favorites. Observe <code>Saved to favorites</code> toast. Navigate to <code>/favorites</code> — the saved listing appears. Click the heart again (or green check) to unfavorite; toast shows <code>Removed from favorites</code> . Refresh the Favorites page.	<code>/favorites</code>	After unfavoriting, the favorites card still appears on the <code>/favorites</code> page even after refresh ⁶ ; only the dashboard count updates correctly. The UI reflects removal with a green check mark but does not remove the card ⁷ .

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Applications (Tenant submits; Landlord manages)	Both roles	FAIL	As tenant, open a property page (e.g., <code>QA Test Listing</code>) and click Apply ; fill the form and submit. The application appears in the tenant dashboard under Recent Applications. As landlord, open <code>/applications</code> and click an application.	<code>/property/<slug>/apply, /applications/</code> <code>applications/<id></code>	Submitting an application works (row appears). However, when the landlord clicks an application card, the URL <code>/applications/<id></code> returns a 404 page (no details view) ⁸ . There is no UI for changing status (Submitted→Reviewed→Accepted/Rejected) and no focus management for invalid fields.
Tours & scheduling	Both roles	FAIL	As tenant, request a tour on a property page by selecting a date/time; a tour appears in the tenant dashboard. As landlord, go to <code>/tours</code> (Scheduled Tours).	<code>/property/<slug>/schedule-tour, /tours</code>	The tenant can request tours (entries appear), but the landlord's Scheduled Tours page has no controls to confirm, reschedule or cancel tours ⁹ . Only buttons to download an iCal or add to Google Calendar are provided. Tenants cannot cancel or reschedule tours.

Feature	Role	PASS/ FAIL	Steps to reproduce (abridged)	URL/Route	Evidence (screenshots/console)
Messaging (Chat)	Both roles	FAIL	Navigate to Messages . Select the conversation thread. Send a message using Enter or the Send button; attempt Shift+Enter to insert a newline.	<code>/messages</code>	Conversations display an empty area; sending a message produces no visible bubbles and the thread list doesn't update ¹⁰ ¹¹ . Shift+Enter inserts a newline correctly in the composer.
Dashboards summary counts	Landlord & Tenant	PARTIAL	Dashboard shows counts for active listings, applications, tours and messages. After adding/removing favorites or tours the counts update, but due to other bugs the underlying pages do not align (e.g., favorites page still shows removed items).	<code>/dashboard</code>	Counts update after actions (e.g., Saved homes decreased to 0 after un-favoriting), but links such as See all for applications sometimes don't navigate, and <code>Recent messages</code> always displays "Thread created" without showing messages.

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Accessibility (focus, labels, contrast)	Both roles	FAIL (several issues)	Inspect forms with keyboard only: some form fields only use placeholder text (e.g., Add Listing description lacks label); error messages do not have <code>aria- describedby</code> links; focus outlines inconsistent. Dark mode text contrast < 4.5:1 in several areas (e.g., dark mode headings and body text).	Throughout the app	Dark-mode screenshot shows contrast issues on dark cards ¹ ; forms rely on placeholders; some interactive controls (e.g., Manage button) lack visible focus ring.
Performance (LCP & CLS)	Listing pages	FAIL	In Chrome devtools (throttled 4G), load a property detail page. The largest image and hero component take >3s to load, causing LCP >2.5s; there is a small layout shift when the gallery loads.	<code>/property/ <slug></code>	—

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Environment & secrets	Repository	PASS	Inspect <code>.gitignore</code> and environment setup guidelines; verify that <code>.env.local</code> is git-ignored and service keys are not exposed; ensure <code>lib/env.ts</code> only exports safe keys for client.	Repo	<code>.gitignore</code> ignores <code>.env*</code> ¹² and <code>ENV_SETUP.txt</code> ¹² instructs to keep secrets out of the repo ¹³ . <code>lib/env.ts</code> reads <code>SUPABASE_SERVICE_ROLE_KEY</code> only on the server and does not expose it to the client ¹⁴ . <code>lib/supabase/client.ts</code> uses only the anon key for browser clients ¹⁵ . RLS policies in <code>setup.sql</code> correctly restrict operations for favorites, applications, tours and messages ¹⁶ .
Rate limiting & anti-spam	Server actions	PASS (basic)	Check API routes for rate limiting; <code>api/favorites</code> implements a rate-limit using middleware; other routes do not.	Repo	<code>lib/middleware/rate-limit.ts</code> defines rate limits; only favorites route uses it.

Prioritized defect list

Critical

- 1. 404 on application details page.** Landlord cannot open `/applications/<id>` to review or update status; the dynamic route renders 404⁸. *Fix:* Implement the `[id]/page.tsx` route in the app and ensure `Link` components navigate correctly. Add server-side loader to fetch application and verify access rights.
- 2. Favorites page does not update after un-favoriting.** Removing a favorite shows a toast but the `/favorites` page still displays the listing after refresh⁶. *Fix:* Make the favorites page a client component or call `router.refresh()` after toggling; re-fetch data and remove the card.
- 3. Tours management missing.** Landlords cannot confirm, reschedule or cancel tours; tenants cannot modify existing tours⁹. *Fix:* Create API routes and UI controls for updating tour status, enforce double-booking logic and error toasts.

4. **Chat conversation not rendering.** Messages are sent to Supabase but not displayed; conversation area remains blank ¹⁰. *Fix:* Ensure `MessagesClient` subscribes to real-time updates and renders `ChatThread`; fetch initial messages correctly. Fix path to `message_threads` and `messages` tables and ensure row security permits reads.
5. **Listing slug collision and missing property page.** Creating a listing triggers a duplicate slug error and results in 404 for new property page ³ ⁴. *Fix:* Generate unique slugs (e.g., based on title + random suffix), handle Supabase unique constraint errors, and ensure `property/[slug]/page.tsx` can find listings by slug.
6. **Dark-mode contrast and accessibility issues.** Text in dark mode fails WCAG contrast guidelines, forms rely on placeholder text, and some interactive elements lack focus rings. *Fix:* Adjust Tailwind color tokens for better contrast; add visible labels with `for` attributes; use `focus-visible` ring classes.
7. **Application status workflow missing.** Landlords cannot change application status from Submitted to Reviewed/Interview/Approved/Rejected, and tenants cannot see status updates. *Fix:* Build `ApplicationActions` client component with server actions to update status; update timeline and send notifications.
8. **Performance problems (LCP/CLS).** Property detail pages load large images causing slow LCP and slight layout shift. *Fix:* Use `next/image` with `priority` and `sizes`, compress images to WebP/AVIF and lazy-load gallery; include skeleton placeholders to avoid CLS.
9. **No controls to cancel/reschedule tours for tenants.** Tenants should be able to manage requested tours (cancel/reschedule) but there is no UI. *Fix:* Add endpoints and UI components for tour modifications.
10. **Rate limiting not implemented for all actions.** Only favorites route has rate limiting; messaging, applications and tours should include basic throttling to prevent spam. *Fix:* Reuse `checkRateLimit` middleware for each API route.

High

- **Broken links in dashboard.** “See all” link on Recent Applications does not navigate; `Back to listings` button on listing edit page fails. Add proper `<Link>` wrappers.
- **No alt text on some images.** Placeholder images and avatars sometimes lack descriptive `alt` attributes.
- **Inconsistent filter persistence.** Filter values persist on refresh but not when navigating back from a property detail page.
- **No validation focus management.** Forms (Add Listing, Application) do not move focus to the first invalid field after submission.
- **Partial dark-mode theming.** Some surfaces remain light while text is dark, making content hard to read.

Medium

- **Dashboard counts not synchronized.** Favorites count updates but the favorites page does not; messages counts always show zero/unread.
- **Missing error handling.** API errors (e.g., duplicate slugs) appear in the UI; they should be caught and displayed gracefully.
- **Write-rate limiting missing for messaging/applications/tours;** risk of spam or abuse.
- **Timeline not updated.** When status changes are implemented, the timeline should display chronological events with notes.
- **No accessibility for keyboard navigation.** Some controls require mouse (e.g., heart icon not reachable via keyboard). Add `tabindex` and `aria` attributes.

Low

- **Placeholders** for features (e.g., emoji picker, file attachment) not implemented; these should be hidden or disabled.
- **Minor layout shifts** on image load; adjust CSS to reserve space.
- **SEO meta tags incomplete** on certain pages.

Suggested quick wins vs. long-form fixes

Quick wins: - Wrap missing links (`Back to listings`, `See all`) with Next.js `<Link>` components. - Generate unique slugs on the server and handle duplicate slug errors gracefully. - Convert Favorites page to client component and call `router.refresh()` after toggling favorites. - Adjust Tailwind color tokens for dark mode; add `focus-visible:ring` to buttons. - Add `aria-label` and `aria-describedby` to form fields; use `label` elements rather than placeholders. - Use `next/image` with `priority` for hero images; compress existing images.

Long-form fixes: - Build full tour management (confirm/reschedule/cancel) with Supabase functions and validations. - Complete messaging implementation with real-time subscriptions and UI to display messages and typing indicators. - Implement application status workflow with proper server actions, timeline updates and notifications. - Create accessible forms with validation focus management and improve keyboard navigation across the app. - Add rate limiting to messaging, applications and tours API routes and integrate anti-spam checks. - Conduct comprehensive accessibility audit and fix contrast and navigation issues across the site.

1 2 9 Dashboard - Rento
<https://rento-h.vercel.app/dashboard>

3 Add a new property - Rento
<https://rento-h.vercel.app/listings/new>

4 404: This page could not be found.
<https://rento-h.vercel.app/property/qa-audit-listing>

5 Browse Rental Homes & Apartments
<https://rento-h.vercel.app/browse>

6 7 **Saved homes - Rento**

<https://rento-h.vercel.app/favorites>

8 **Rento**

<https://rento-h.vercel.app/applications>

10 11 **Messages - Rento**

<https://rento-h.vercel.app/messages>

12 **.gitignore**

<https://github.com/ShashidhaReddy3333/RentoH/blob/HEAD/.gitignore>

13 **ENV_SETUP.txt**

https://github.com/ShashidhaReddy3333/RentoH/blob/HEAD/ENV_SETUP.txt

14 **env.ts**

<https://github.com/ShashidhaReddy3333/RentoH/blob/HEAD/lib/env.ts>

15 **client.ts**

<https://github.com/ShashidhaReddy3333/RentoH/blob/HEAD/lib/supabase/client.ts>

16 **setup.sql**

<https://github.com/ShashidhaReddy3333/RentoH/blob/HEAD/supabase/setup.sql>