



Rento QA Audit – November 11 2025 (Kitchener, Canada / America/Toronto)

Summary

Overall result: The Rento application implements many core features but several critical flows are broken. Login/sign-out, listing creation/editing and search/filter functionality generally work. Favourites can be toggled from listings and persist across refresh, but the dedicated **Saved Homes** page fails to load. Applications cannot be reviewed or updated by the landlord and clicking an application in either dashboard leads to a 404. Messaging is non-functional; messages never appear. Tour requests can be sent by tenants and duplicate bookings are prevented, but landlords cannot confirm/reschedule/cancel tours and the scheduled time is converted incorrectly. Accessibility, performance and security improvements are also needed.

PASS/FAIL summary

Feature	Role	PASS/FAIL	Steps to reproduce (summary)	URL/Route
Authentication and session	Landlord & Tenant	PASS	1. Visit <code>/auth/sign-in</code> → enter credentials. 2. App redirects to appropriate dashboard. 3. Refresh the page – session persists. 4. Click avatar → Sign Out – returns to home.	<code>/auth/sign-in</code> , <code>/dashboard</code>
Dark mode	Both	PASS	Toggle dark mode via header button.	All pages
Listing creation	Landlord	PASS	1. From landlord dashboard click New listing . 2. Fill required fields (title, rent, bedrooms, etc.) and click Publish listing . 3. Listing appears in dashboard and public browse.	<code>/dashboard/new</code> → <code>/dashboard</code> → <code>/browse</code>

Feature	Role	PASS/FAIL	Steps to reproduce (summary)	URL/Route
Listing editing	Landlord	PASS	1. Click Manage on a listing. 2. Change price or other fields and click Save Changes . 3. Back on dashboard the listing reflects edits.	/dashboard/listings/[id] edit
Browse & search filters	Tenant	PASS	1. Visit /browse . 2. Enter city "Kitchener" and adjust price/beds filters. 3. Results update; filter bar persists after navigating back or refreshing.	/browse
Favorite/ unfavorite from card and details	Tenant	PASS (toggle)	1. On a listing card or details page click the heart icon. 2. A toast shows "Saved to favourites" and the heart fills. 3. Reload page – heart remains filled. 4. Click again to unfavourite; toast shows removed.	/property/[slug] & /brou
Saved homes page	Tenant	FAIL	1. From tenant dashboard click Manage favourites → /favorites . 2. Page attempts to load favourites but displays " Failed to load favourites – Failed to fetch favourites " with a Try again button that does nothing.	/favorites
Applications submission	Tenant	PASS	1. On property details click Start application . 2. Fill required fields and submit. 3. Dashboard shows new application in Recent Applications .	/property/[slug]/apply - dashboard/applications

Feature	Role	PASS/FAIL	Steps to reproduce (summary)	URL/Route
Applications review & status	Landlord & Tenant	FAIL	1. Landlord dashboard shows count of pending applications. 2. Click Applications ; list shows property and status. 3. Clicking a row attempts to navigate to <code>/applications/[id]</code> but returns 404. 4. No interface exists to update application status (Submitted → Reviewed → Accepted/Rejected).	<code>/dashboard/applications</code>
Applications display on tenant dashboard	Tenant	FAIL (partial)	Applications list appears under Recent Applications but statuses never change because landlord cannot review.	<code>/dashboard</code>
Tours - tenant booking	Tenant	PASS	1. On property details page fill date/time (tested 2025-11-16 09:00). 2. Click Send request . 3. Success toast appears: "Tour request sent; we'll email you once the landlord responds." 4. A second attempt at the same time shows error: "Tour slot conflict: Landlord already has a tour scheduled at this time."	<code>/property/[slug]</code>
Tours - landlord management	Landlord	FAIL	1. Landlord dashboard → Scheduled tours → View details (<code>/tours</code>). 2. The list shows tours with status Requested . 3. There is no ability to confirm, reschedule, or cancel tours. 4. Times are shown incorrectly (tenant's 09:00 appears as 01:00 AM America/Los_Angeles).	<code>/tours</code>
Messaging (Chat)	Both	FAIL	1. On property details click Message landlord . 2. A chat box opens; typing a message and pressing Enter or clicking Send shows no message in the thread. 3. Reloading the page shows nothing.	<code>/property/[slug]</code> (chat component)

Feature	Role	PASS/FAIL	Steps to reproduce (summary)	URL/Route
Dashboards - metrics	Landlord	PASS/FAIL	Cards display counts: active listings, applications, upcoming tours, unread messages. Counts update after creating a listing or booking a tour. However, counts for applications and tours never change to reflect review or confirmation because those flows are missing.	/dashboard
Accessibility	Both	FAIL (multiple)	Many form fields rely on placeholders instead of visible labels; error messages are not associated via <code>aria-describedby</code> ; focus-visible rings are inconsistent. Keyboard navigation through multi-step forms is possible but some fields (e.g., date pickers) trap focus. Contrast for light grey text is below 4.5:1.	Various
Performance (LCP/CLS)	-	FAIL (needs improvement)	Listing detail pages load large hero images without lazy-loading or explicit <code>sizes</code> attributes; LCP often exceeds 3 s on 4G. Gallery images cause layout shift when loading; suggestions include using <code>next/image</code> with <code>priority</code> or <code>placeholder</code> and specifying aspect ratios.	/property/[slug]
Environment/ secrets	Repo	FAIL	.env.local is in .gitignore, and lib/env.ts properly restricts service_role to server. However, the repository contains a file OFFLINE_SUPABASE_SUMMARY.md with an actual Supabase service role key (sb_secret_N7UND0UgjKTVK-Uodkm0Hg_xSvEMPvz) ¹³ . Exposing a service role key in a public repo is a critical security vulnerability.	OFFLINE_SUPABASE_SUMMARY
RLS policies	Repo	PASS	Examined supabase/migrations/*_setup_rls.sql; RLS policies restrict access on favorites, applications, tours and other tables to the appropriate user or property owner ¹⁴ .	-

Feature	Role	PASS/FAIL	Steps to reproduce (summary)	URL/Route
Rate-limiting and spam prevention	Code	PASS/FAIL	Rate limiting implemented for favourites (<code>RATE_LIMITS.favorites</code>) but no limits for applications, tours, or messages. There is risk of spamming.	-
Secrets in client	Code	PASS	Verified that the Supabase client uses <code>NEXT_PUBLIC_SUPABASE_ANON_KEY</code> on the client and the <code>service_role</code> key only on the server ¹⁵ .	-

Prioritized Defect List & Suggested Fixes

The following defects are categorized by severity based on impact and likelihood.

Severity	Defect	Evidence/Description	Suggested Fix
Critical	Messaging non-functional	Messages entered in chat are never displayed or saved ¹¹ .	Implement Supabase <code>messages</code> table operations; fix client <code>sendMessage</code> and server <code>api/messages</code> route; show optimistic message while sending; add error handling and display failures.
Critical	Favorites page fails	<code>/favorites</code> returns "Failed to fetch favourites" ⁶ .	Fix API route <code>/api/favorites/list</code> to correctly fetch data from Supabase; ensure environment variables are available in serverless environment; handle session retrieval; return <code>favorites</code> array.
Critical	Applications missing detail & status updates	Clicking an application in dashboards leads to 404 ⁷ ; landlord cannot update statuses.	Implement route <code>/applications/[applicationId]</code> with page to view applicant details and update status; add status transitions (Reviewed, Accepted, Rejected) via server actions; show updates to tenant with toasts.

Severity	Defect	Evidence/Description	Suggested Fix
Critical	Tours management missing & timezone bug	Landlords cannot confirm/reschedule/cancel tours; scheduled times are mis-converted to America/Los_Angeles ¹⁰ .	Implement <code>/api/tours/[id]</code> actions and UI controls (Confirm, Reschedule, Cancel); ensure selected datetime is stored in UTC and converted to the landlord's timezone; prevent double booking across timezones; update both dashboards on change.
Critical	Service role key exposed	<code>OFFLINE_SUPABASE_SUMMARY.md</code> contains secret key ¹³ .	Remove the file or scrub secrets; rotate Supabase service role key; add secret scanning in CI.
High	Application & tour counts never change	Because landlord cannot review applications or tours, counts on dashboards are misleading.	Update counts when statuses change; revalidate caches after updates.
High	Missing rate limits for applications, tours, messages	Only favorites have rate limits; other endpoints are open to abuse.	Add per-user rate limits in <code>/api/applications</code> , <code>/api/tours</code> , <code>/api/messages</code> using <code>lib/middleware/rate-limit</code> .
High	Time zone mis-handling	Tour scheduled by tenant at 09:00 shows as 01:00 AM (America/Los_Angeles) for landlord ¹⁰ .	Store date/time in UTC; display using user's timezone; use <code>Intl.DateTimeFormat</code> with <code>timeZone</code> parameter.
Medium	Accessibility issues	Missing labels, low contrast, poor focus indicators.	Add visible labels (<code><label></code> with <code>htmlFor</code>), <code>aria-describedby</code> for errors, and consistent <code>:focus-visible</code> styles; ensure text contrast \geq 4.5:1.
Medium	Large images & CLS	Listing detail pages cause long LCP and layout shifts.	Use <code>next/image</code> with <code>sizes</code> , <code>priority</code> for hero images; lazy-load others; specify aspect ratio; compress images.
Medium	Lack of optimistic UI & error handling	Many actions (messages, applications, tours) do not show spinners/errors.	Add loading states and error toasts for all network actions; implement optimistic updates with rollback on failure.

Severity	Defect	Evidence/Description	Suggested Fix
Low	UI minor issues	404 page for individual application; placeholder text used instead of labels; some forms trap focus.	Provide better routing fallback; fix labels; ensure keyboard navigation.
Low	Testing & CI	Playwright and Vitest tests exist but missing coverage for new features; no accessibility checks in CI.	Expand e2e tests for favorites, messaging, applications, tours; integrate <code>axe-core</code> accessibility checks; run tests on CI.

Additional Observations

- **Row Level Security** is well implemented in Supabase migrations, restricting operations to the correct user or landlord roles ¹⁴.
- **Environment management** uses `lib/env.ts` to expose only safe keys ¹⁶, but secrets are leaked in one markdown file.
- **Dark mode** is implemented via theme provider and works correctly, but further color contrast checks are needed.

Recommendations

1. Address critical functional bugs first (messaging, favourites, applications and tours). Without these, the core marketplace cannot operate.
2. Remove leaked secrets and rotate Supabase keys; add secret scanning in CI to prevent recurrence.
3. Implement proper time zone handling throughout scheduling flows.
4. Improve accessibility and performance to meet industry standards.
5. Add rate-limiting and error handling on all write endpoints.
6. Expand automated tests (Vitest, Playwright) and integrate accessibility checks.

1 2 bed room | Rento
<https://rento-h.vercel.app/property/59f36e4e-91a8-454a-98bb-db528879136d>

2 12 Dashboard - Rento
<https://rento-h.vercel.app/dashboard>

3 Edit listing - Rento
<https://rento-h.vercel.app/dashboard/listings/65dc0550-32c8-4808-b5b3-d870916db452>

4 5 8 9 2 bed room | Rento
<https://rento-h.vercel.app/property/2-bed-room-98728e0a-draft>

6 Saved homes - Rento
<https://rento-h.vercel.app/favorites>

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

10 Rento

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

11 Messages - Rento

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

13 OFFLINE_SUPABASE_SUMMARY.md

https://github.com/ShashidhaReddy3333/RentoH/blob/HEAD/OFFLINE_SUPABASE_SUMMARY.md

14 20251111090000_setup_rls.sql

https://github.com/ShashidhaReddy3333/RentoH/blob/HEAD/supabase/migrations/20251111090000_setup_rls.sql

15 client.ts

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

16 env.ts

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