Patient Waiting List (Whiteboard Table + Realtime) - Specification

Tech & libs

Next.js App Router (TypeScript), Tailwind, shadcn/ui, TanStack Query, TanStack Table, Supabase Realtime

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1) Data contracts (frontend)

- WhiteboardRow with fields: id, clinic_id, apptTimeISO, checkedInAtISO, attendingAtISO, completedAtISO, client, patient, apptType, confirmed, complaint, provider, createdBy, invoices, sno, status, photoUrl

- WhiteboardFilters with dateISO, show, providerId, apptType, q

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2) Components & Files

- Page: app/waiting-list/page.tsx

- Components: WhiteboardToolbar, WhiteboardTable, StatusMenu, PhotoUploadCell, ProviderCell, Timers

- Hooks: useWhiteboard

- lib/realtime.ts: subscribeWhiteboard

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3) Backend API Endpoints

- GET /api/whiteboard?date=... returns rows

- PUT /api/whiteboard/:id/status {status}

- PUT /api/whiteboard/:id/photo {fileUrl}

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4) Toolbar

- Date picker (Today, arrows)

- Show Clients dropdown

- Provider filter

- Appointment Type filter

- Search input

- Fullscreen toggle

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5) Table Layout (dense whiteboard)

Columns: Status, Appt Time, Checked In, Client, Patient, Photo, Appt Type, Confirmed, Complaint, Provider, Created By, Waiting Time, Turn Around Time, Today's Invoices, Active Plan, Cart, Open Invoices, Ready For Invoice, Sno.

Features:

- Sticky header

- Zebra rows

- Blink indicator for imminent appts

- Hover highlight

- Column visibility menu

- Virtualization for >200 rows

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6) Timers

- Waiting Time = now - checkedInAt

- Turnaround Time = attending $\rightarrow$ now - attendingAt, completed $\rightarrow$ completedAt - attendingAt

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7) Status Menu

- Options: Waiting, Attending, Completed, No-show, Cancelled

- Sets timestamps accordingly

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8) Photo Upload

- Upload to Supabase Storage

- Replace/Upload button in cell

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9) Data fetching & Realtime

- useWhiteboard hook with TanStack Query

- subscribeWhiteboard helper (Supabase channel)

- Realtime updates patch cache directly

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10) Page Wiring

- Filters state in URL

- Toolbar + Table rendering

- Realtime subscription updates Query cache

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11) Styles

- Compact table, text-sm

- Red pill for Attending

- Blue links for invoices

- Client/Patient links

- Complaint truncated w/ tooltip

- Blink dot for appt within ±5min

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12) Acceptance Tests

- Date switch refetches

- Provider/appt type filters apply

- Status change updates timers

- Timers increment live

- Two browsers sync within 2s

- Photo upload persists

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13) SQL for timestamps

alter table appointments add column checked_in_at timestamptz;

alter table appointments add column attending_at timestamptz;

alter table appointments add column completed_at timestamptz;

create index on appointments (clinic_id, starts_at);