









Reminder App - System Flow





1. User Registration Flow

-  [1.1] User fills registration form (email, password)
 -  [1.2] Supabase creates user and sends email confirmation
 -  [1.3] User must verify email via the confirmation link
 -  [1.4] Only after email confirmation, user can login
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2. Login & Session Handling

-  [2.1] User enters email & password to login
 -  [2.2] Supabase validates credentials and creates a session
 -  [2.3] App saves session and user info in context
 -  [2.4] On app launch, app restores session (if exists)
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3. Reminder Fetch + Notification Trigger

-  [3.1] When app launches and session is restored:
 -  Check if user is logged in
 -  Fetch all reminders from Supabase where:
 - is_completed: false
 - is_deleted: false
 - due_date_time <= today or past
 -  If any reminders are near/past due, **show in-app notification/alert once**
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4. Main Navigation Flow

- 📍 **Main Tabs:**
 - 🏠 Home Screen → show reminders list
 - 👤 User Screen → show profile, logout button
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5. Reminder Management

- ➕ **Add Reminder**
 - User inputs title, due date/time
 - Saves to Supabase with `is_completed: false`, `is_deleted: false`
 - 📝 **Edit Reminder**
 - User edits details of a reminder
 - Updates in Supabase
 - ✅ **Mark as Complete**
 - Sets `is_completed: true`
 - 🗑️ **Delete Reminder**
 - Sets `is_deleted: true`
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6. Notification

- 🔔 Notifications are **in-app only**, not push/external
 - 🧠 Alert only triggers **once per session** when entering the app
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📍 Reminder App - System Flow Diagram

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[User Opens App]
  ↓
[Check Supabase Session]
  ↓
[Session Exists?]—No→ [Go to Login Screen]
  ↓ Yes
[Email Confirmed?]—No→ [Show Prompt: "Please confirm your email"]
  ↓ Yes
[Login Success]
  ↓
[Fetch Reminders from Supabase]
  ↓
[Check for Near-Due Reminders (today or overdue)]
  ↓
[If found → Show In-App Alert / Notification once]
  ↓
[Show Home Screen]
  ↓
+-----+
| User can: |
| • Add Reminder |
| • Edit Reminder |
| • Delete Reminder |
| • Mark as Complete |
+-----+
  ↓
[Reminders auto-refresh after each action]
  ↓
[User can also navigate to:]
→ [User Profile Screen]
→ [Settings / Logout]

```

Reminder App - ER Diagram

