

# HealthMate

**Your Personal Health Assistant with  
Smart Medical Reminders**

## **Team Members:**

R. Sahithi Reddy - 5F8

T. Mahalakshmi - 5K3

V. Nitya Vaishnavi - 5K6

# Project Overview

A web application designed to improve healthcare management.  
A smart, user-friendly platform ensuring medication safety,  
adherence, and personalized health management.

## ***Purpose:***

- Intelligent medication reminders
- AI-driven health insights
- Prevent medication errors & drug interactions

## ***Target Users:***

- Healthcare-conscious individuals

# Key Features

- Dashboard Overview: Real-time adherence, daily schedule, alerts
- Smart Reminder System: Customizable notifications
- Medication Management: Add, edit, delete, track dosages & durations.

# Core Concepts used in our project

## Advanced React Concepts

- Handled events: click, input, submit
- Used conditional rendering for UI states
- Built dynamic, real-time user interfaces
- Updated components without page reloads

## Routing & Dynamic Lists

- Integrated React Router for navigation
  - Enabled programmatic route redirection
- Rendered dynamic lists using mapping
  - Performed CRUD operations on arrays

# Core Concepts used in our project

## Form Handling & Validation

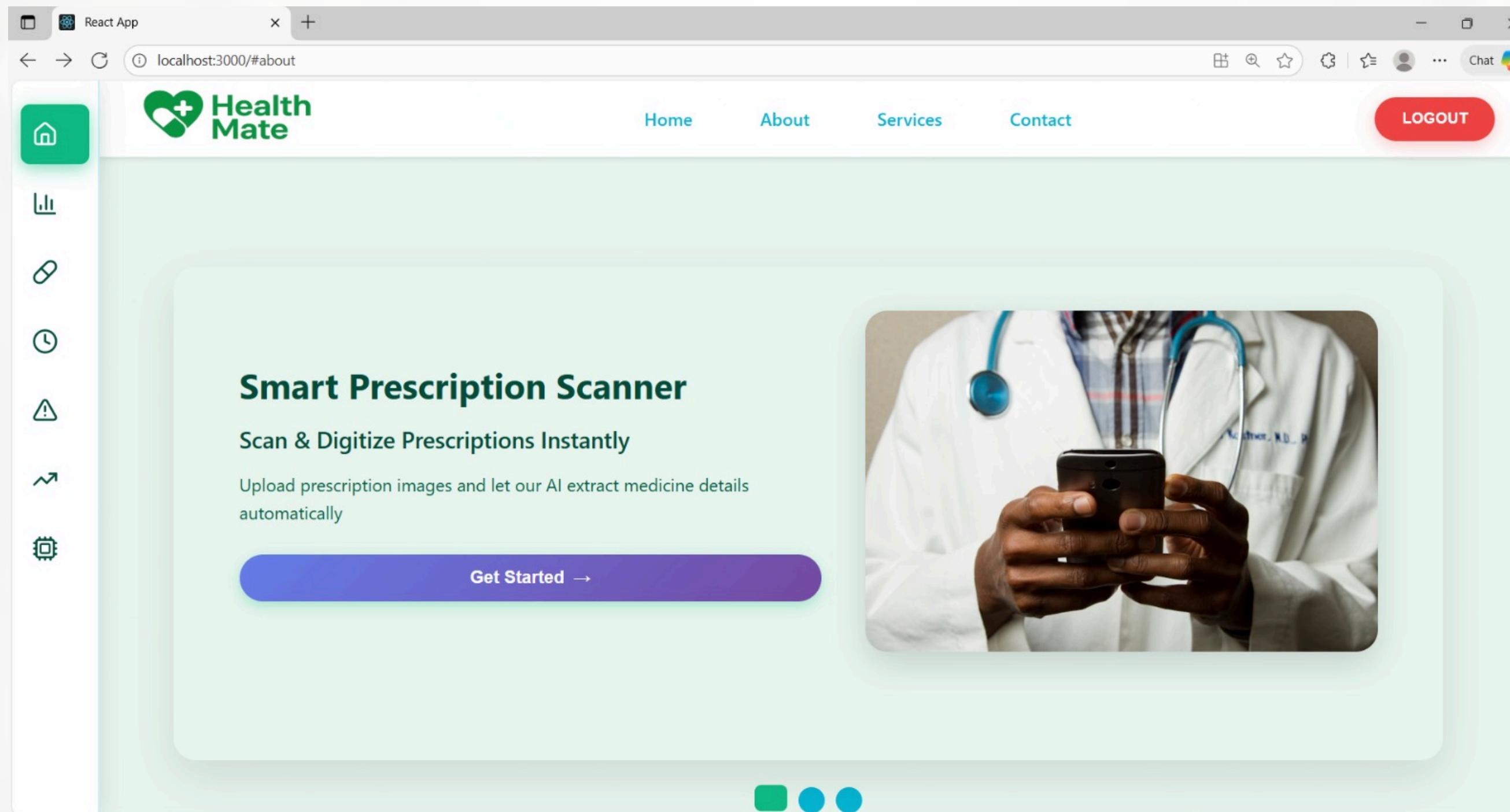
- Managed dynamic form state structures
- Applied validation and conditional rendering
- Enabled live, real-time form updates

## External Libraries & Styling

- Used icons for visual clarity
- Built responsive layouts with Flexbox/Grid
- Added transitions and hover effects

# OUTPUTS

## 1. Homepage HealthMate

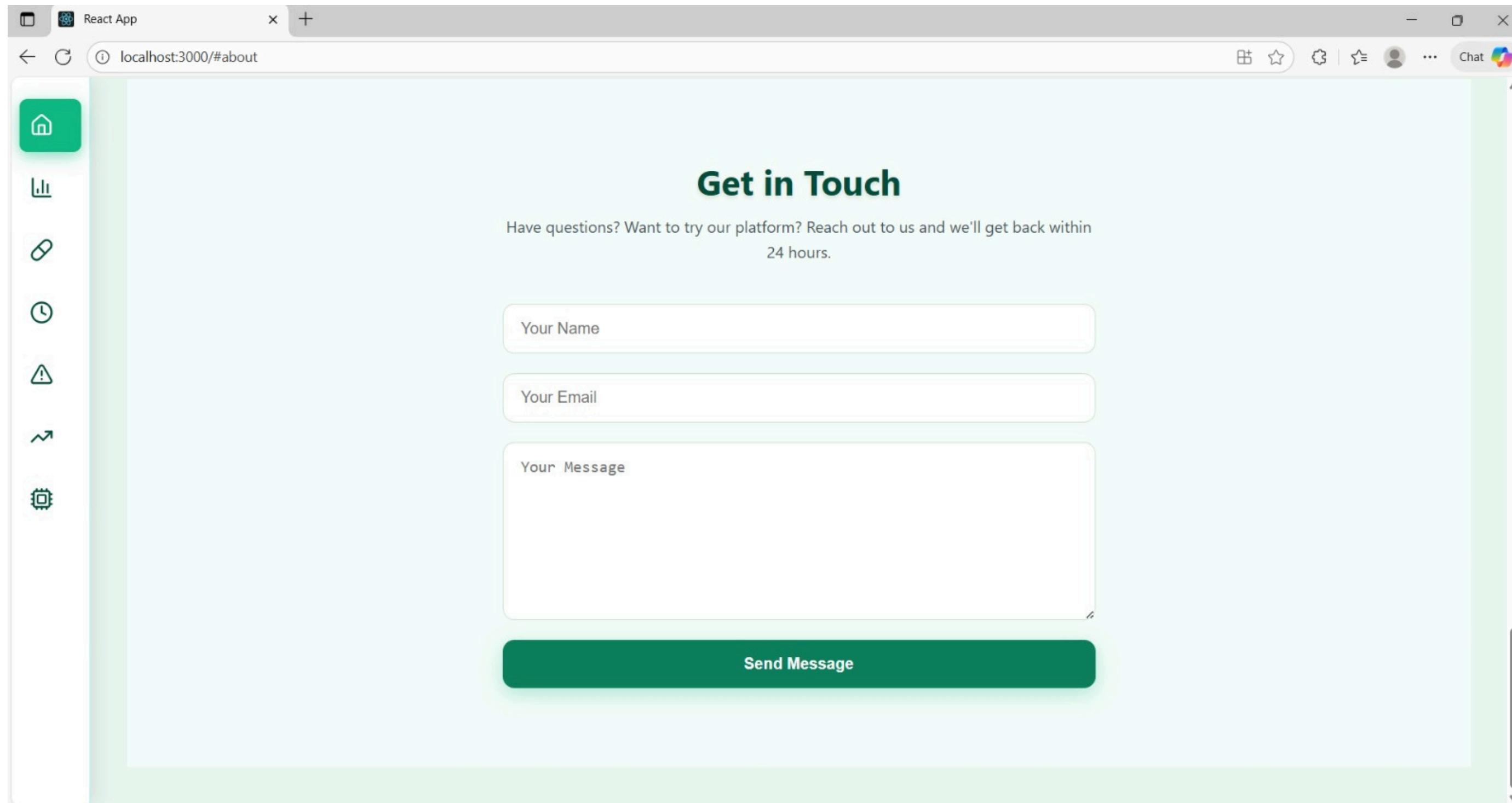


# About HealthMate Section

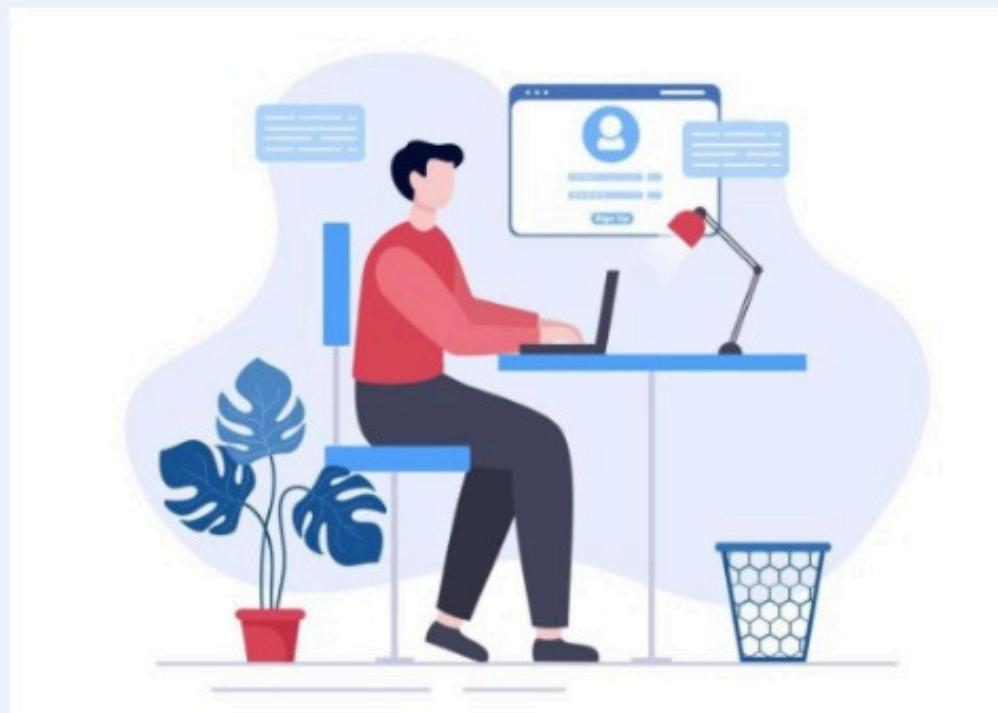
The screenshot shows a web browser window titled "React App" displaying the "About" page of the HealthMate application at "localhost:3000/#about". The page has a light green background. On the left is a vertical sidebar with a green header containing a house icon and the word "Home". Below it are seven items: "Dashboard" (bar chart icon), "Medicines" (pill bottle icon), "Reminders" (clock icon), "Interactions" (warning sign icon), "Analytics" (chart icon), and "AI Insights" (gears icon). The main content area starts with a heading "About HealthMate" and a subtext: "We aim to digitize healthcare and make managing prescriptions simple, secure, and intelligent for everyone." Below this are four white rectangular boxes with rounded corners, each containing a title and a brief description:

- Reliable**: Built with accuracy and security at the forefront.
- AI Powered**: Advanced AI extracts medicine information automatically from prescriptions.
- User-Friendly**: Clean, intuitive interface that anyone can use easily.
- 24/7 Support**: Round-the-clock assistance to help with medicine tracking and health updates.

# Contact Us Section



## 2. SignUp



### Create Account

Join us today and start your journey

Full Name

Email Address

Password

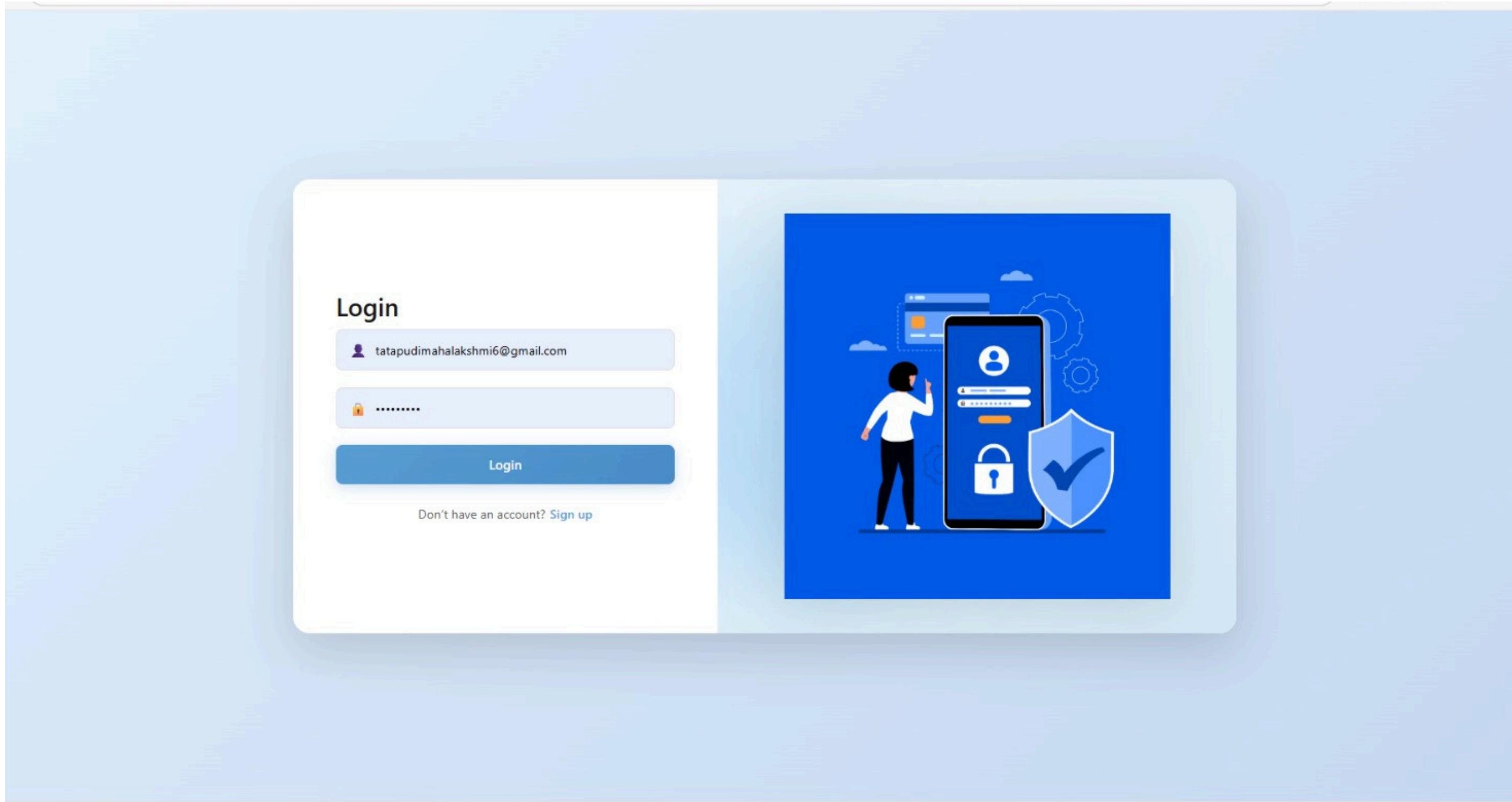
Age

Gender

**Create Account**

Already have an account? [Login here](#)

# 3. Login



# 4. Dashboard

The screenshot shows the Health Mate dashboard interface. On the left, a vertical sidebar contains icons for Home, History, Add Medication (highlighted in green), Timer, Alert, Sync, and Settings. The main content area features a "Medication Adherence" card with a large circular progress bar showing 85% (Weekly Average). Below it, "Taken" is 28 and "Missed" is 5. To the right is an "Active Medicines" card listing three medications: Aspirin (Blood Thinner, 90 tablets at 08:00), Lisinopril (ACE Inhibitor, 60 tablets at 09:00), and Omeprazole (PPI, 30 capsules at 07:30). A green "+ Add Medicine" button is at the bottom. The top navigation bar includes "Dashboard", "Medications", and "Reports". A user menu on the right shows "My Account", "Settings", and "Logout". The browser title is "React App" and the URL is "localhost:3000/dashboard".

Health Mate

Dashboard Medications Reports

My Account

Settings

Logout

Medication Adherence

85%

Weekly Average

Taken: 28 Missed: 5

Active Medicines

| Medicine   | Type          | Quantity    | Time  |
|------------|---------------|-------------|-------|
| Aspirin    | Blood Thinner | 90 tablets  | 08:00 |
| Lisinopril | ACE Inhibitor | 60 tablets  | 09:00 |
| Omeprazole | PPI           | 30 capsules | 07:30 |

+ Add Medicine

# Medicine Schedule Section

The screenshot shows a medicine schedule section within a web application. On the left, a vertical sidebar features icons for Home, List, Edit (highlighted in green), Clock, Alert, Chart, and Settings. The main content area displays "Today's Schedule" with four entries:

- 8:00 AM** Paracetamol 500mg Taken
- 12:00 PM** Metformin 250mg Taken
- 6:00 PM** Atorvastatin 10mg Pending
- 9:00 PM** Vitamin D 1000IU Upcoming

At the bottom, there are two buttons: "Drug Interactions" with an exclamation icon and "Quick Actions". The browser header shows "React App" and the URL "localhost:3000/dashboard".

# Quick Actions Section

The screenshot displays a medication management application interface. On the left, a vertical sidebar contains icons for Home, History, Edit (highlighted in green), Clock, Alert, Reports, and Settings. The main area shows a list of medications with their scheduled times and doses. A large yellow callout box highlights 'Drug Interactions' with a message stating 'No interactions detected' and 'All your medications are safe to take together'. To the right, a 'Quick Actions' section offers four buttons: 'Upload Prescription' (upload icon), 'Set Reminder' (bell icon), 'View Reports' (graph icon), and 'AI Consultation' (AI icon).

React App

localhost:3000/dashboard

12:00 PM 250mg Taken

6:00 PM Atorvastatin 10mg Pending

9:00 PM Vitamin D 1000IU Upcoming

Drug Interactions

No interactions detected

All your medications are safe to take together

Quick Actions

Upload Prescription

Set Reminder

View Reports

AI Consultation

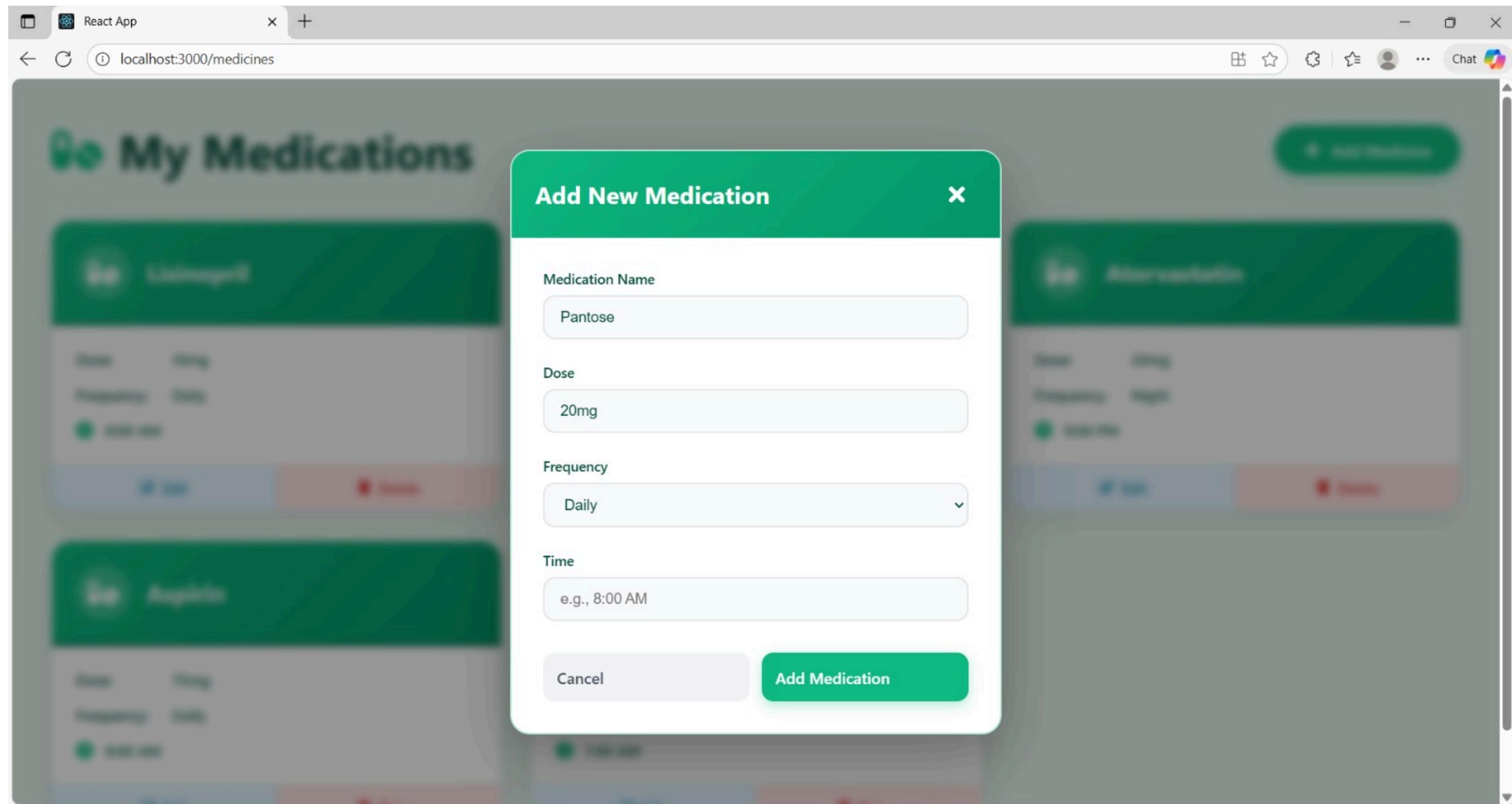
# 5. My Medications Section

The screenshot shows a web browser window titled "React App" with the URL "localhost:3000/medicines". The page is titled "My Medications" and displays five cards, each representing a medication:

- Lisinopril**: Dose: 10mg, Frequency: Daily, Time: 8:00 AM. Buttons: Edit, Delete.
- Metformin**: Dose: 500mg, Frequency: Twice daily, Time: 8:00 AM, 6:00 PM. Buttons: Edit, Delete.
- Atorvastatin**: Dose: 20mg, Frequency: Night, Time: 9:00 PM. Buttons: Edit, Delete.
- Aspirin**: Dose: 75mg, Frequency: Daily, Time: 8:00 AM. Buttons: Edit, Delete.
- Omeprazole**: Dose: 20mg, Frequency: Daily, Time: 7:00 AM. Buttons: Edit, Delete.

A green button in the top right corner says "+ Add Medicine". The browser interface includes standard navigation and search bars at the top.

# Add Medications Section



# 6. Add Reminders Section

The screenshot shows a web browser window titled "React App" at the URL "localhost:3000/reminders". The main content is a form titled "Add New Reminder".

**Fields:**

- Medicine Name \***: Pantose
- Dosage \***: 20mg
- Reminder Times \***: 09:00 (with a plus icon to add another time)
- Frequency**: Monthly
- Start Date**: 09-10-2025
- End Date**: 09-10-2025
- Notes**: Additional instructions...

**Buttons:**

- Cancel**
- Save Reminder**

# All Reminders Section

The screenshot shows a web application interface for managing reminders. At the top, a browser window titled "React App" displays a form for creating a new reminder. The form includes fields for Frequency (set to "Monthly"), Start Date (09-10-2025), End Date (09-10-2025), and Notes (containing "Additional instructions..."). Below the form are two reminder cards: "Paracetamol" and "Metformin".

**Frequency:** Monthly

**Start Date:** 09-10-2025

**End Date:** 09-10-2025

**Notes:** Additional instructions...

**Cancel** **Save Reminder**

**All Reminders (2)**

**Paracetamol**  
500mg  
🕒 08:00, 20:00  
📅 Daily  
📅 2025-01-01 to 2025-01-15  
Take after meals

**Metformin**  
250mg  
🕒 09:00, 21:00  
📅 Daily  
📅 2025-01-01 to 2025-03-01  
Take with food

# Technical & Professional Learning Outcomes

- Mastered functional components and hooks
- Applied conditional rendering
- Implemented seamless SPA routing (React Router)
- Used ES6+ features: map, filter, etc.
- Managed forms with useState & useEffect
- Used nav, dropdown
- Designed responsive and accessible UI



# THANK YOU