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Chat App Requirements

1. Chat List (Messages Overview)

Description

- A window displaying a list of past chats between doctors and patients.
- Each list item represents a chat and includes:
 - The name of the doctor or patient involved.
 - If the name is too long (more than 50 characters), only a truncated version is displayed.
- Only private one-on-one chats are supported.

Behavior

- If there are too many chats to fit on the screen, a scroll bar will be available.
 - If no chats exist, the window remains empty with an appropriate placeholder message.
 - Chats are sorted in descending order based on the latest message sent or received.
 - Changes made by other users are not updated in real time.
 - All chats and messages are loaded on the screen at once.
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2. Chat Window

Description

- A dedicated window for messaging with an individual.
- **Search Bar:** Allows users to quickly find a specific doctor.
- The chat window includes:
 - The name of the other participant displayed at the top.
 - A message input bar at the bottom for composing messages.
 - A send button located at the bottom-right corner.

Message Constraints

- Messages can be a maximum of **255 characters** long.
- Messages include the following details:
 1. Message text.
 2. The sender's name (truncated to a maximum of 50 characters if too long).
 3. Date and time of when the message was sent.

Display & Alignment

- All messages are aligned to the left.
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3. Future Enhancements (Planned Features)

- Real time changes update.
- **Photo Messages:** Ability to send images in chat.
- **Message Alignment Update:**
 - Messages from the other person will remain on the left.
 - The user's own messages will be displayed on the right.

Notification System Requirements

1. Notification Window

Description

- A dedicated window displaying the **latest notifications received**.
- Each notification in the list:
 - Can contain a maximum of **50 characters** (longer notifications are truncated).
 - Clicking on a notification opens a **pop-up window** with the **full content**.
 - ClearAll Button for deleting all the notifications.

Behavior

- A "**Clear All**" button at the top allows users to **delete all notifications** at once.

- If there are **too many notifications** to fit in the window, a **scroll bar** is provided.
 - If there are **no notifications**, the window remains empty with an appropriate placeholder message.
 - All notifications are loaded on the screen at once.
 - New notifications are not updated in real time, reentering the window is necessarily for updates.
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2. Notification Pop-Up

Description

- When a user clicks on a notification, a **pop-up window** appears, displaying the **full message**.
 - A **delete button** is available inside the pop-up, allowing the user to **remove that specific notification**.
 - If the full notification exceeds **255 characters**, a scroll bar is available in the pop-up.
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3. Notification Types

For Patients:

- **Upcoming Appointment Reminder:**
 - Example: *"Tomorrow at [Time], you have an appointment with Dr. [Name]."*
- **Medication Reminder:**
 - Example: *"It's time to take [Medication Name], Quantity: [Dosage], [Administration]"*
- **Review Reminder:**
 - Example: *"Reminder: Please leave a review for your last appointment." (No direct link provided.)*

For Doctors:

- **Appointment Cancellation Notification:**
 - Example: *"Patient [Name] has canceled their upcoming appointment on [Date]."*

For Admins:

- **Anonymous Doctor Review Notification:**
 - Example: *"A new anonymous review has been submitted for Dr. [Name]."*
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4. Additional Features (Planned Enhancements)

- **Automatic Deletion:** Notifications are automatically **removed after 7 days**.
- Clicking outside the window closes it.
- **Selective Deletion:** Users can **choose specific notifications** to delete instead of clearing all at once.

Hospital Audit System Requirements

1. Overview

- The audit system allows users to view hospital **statistics** from the chosen period of time (last year/ month, default: month).
- Users can choose to view data based on:
 - **Doctors**
 - **Departments**

2. Doctors' Statistics

Doctor Details List

- A list displaying **doctor names** along with **total hours worked** and **number of patients treated** in the selected period of time.
- If a name is too long, it will be **truncated**.
- If the list is too long to fit the screen, a **scroll bar** will be available.
- A combo box for choosing the period of time will be available
- All doctors are loaded on the screen at once.

3. Department Statistics

Department Details List

- A list displaying **department names along with:**
 1. **Number of doctors** in the department.
 2. **Number of medical equipment** in the department.
 3. **Number of rooms** in the department.

4. **Number of interneers (hospitalized patients)** in the department in the selected period of time.

- If a name is too long, it will be **truncated (>100)**.
- If the list is too long to fit the screen, a **scroll bar** will be available.
- All departments are loaded on the screen at once.

4. Additional Features (Planned Enhancements)

- **Filter Options:** Users can filter data by specific date ranges instead of just the past month.
- **Export Data:** Ability to generate a **report (PDF/Excel)** with the statistics.