# Medicine Reminders Application

Smart Medication Reminders for Safety, Independence, and Enhanced Care Coordination

```python
4   # Input section for patient details
5   print("Enter Patient Details")
6   patient_name = input("Patient Name: ")
7   date_of_birth = input("Date of Birth (YYYY-MM-DD): ")
8   pharmacy = input("Pharmacy Name: ")
9
10
11  # Display patient information
12  print("\nPatient Information")
13  print(f"Name: {patient_name}")
14  print(f"Date of Birth: {date_of_birth}")
15  print(f"Pharmacy: {pharmacy}\n")
16
17  # Function to send reminder for Memantine
18  def memantine_reminder():
19      print(f"Reminder: {patient_name}, it's time to take Memantine. Please take it after breakfast.")
20
21  # Function to send reminder for morning dose of Risperidone
22  def risperidone_morning_reminder():
23      print(f"Reminder: {patient_name}, it's time to take your morning dose of Risperidone.")
24
25  # Function to send reminder for bedtime dose of Risperidone
26  def risperidone_bedtime_reminder():
27      print(f"Reminder: {patient_name}, it's time to take your bedtime dose of Risperidone.")
28
29  # Schedule reminders
30  # Assuming the times: Morning reminder at 8:00 AM and bedtime reminder at 8:00 PM
31  schedule.every().day.at("08:00").do(memantine_reminder)
32  schedule.every().day.at("08:00").do(risperidone_morning_reminder)
33  schedule.every().day.at("20:00").do(risperidone_bedtime_reminder)
34
35  # Run the scheduler
36  print("Medication reminders are scheduled.")
37  while True:
38      schedule.run_pending()
39      time.sleep(60)  # Check every minute
```

Alzheimer's Medication Example
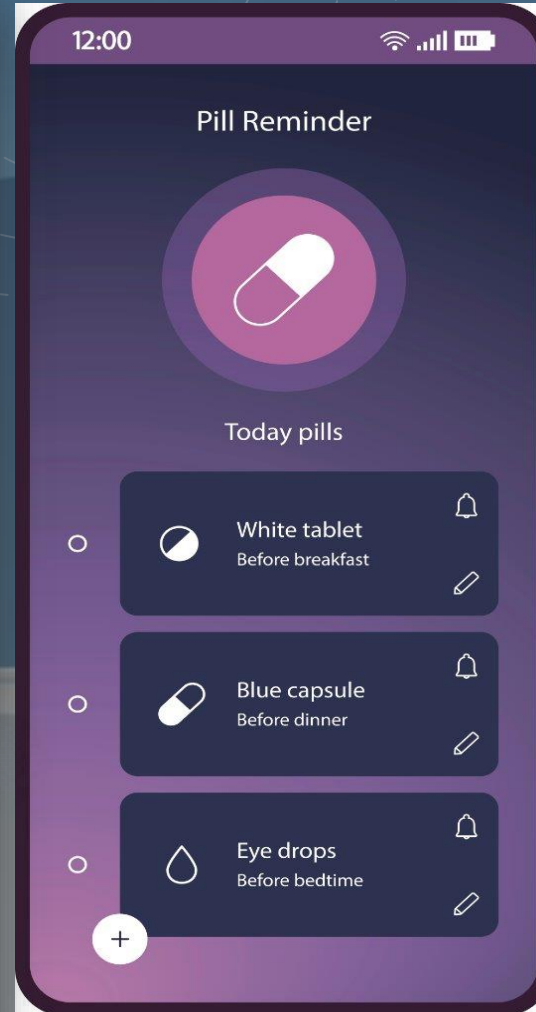
This app enhances medication adherence by connecting with EHR systems and providing real-time access to intake data for patients, caregivers, and providers. It uses QR codes scanned at the pharmacy and a smart bottle with locking and weight-tracking features to ensure correct dosing and prevent overuse. Designed for elderly users and those with chronic conditions, it supports patient safety, reduces medication errors, and empowers users to manage their health independently.

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