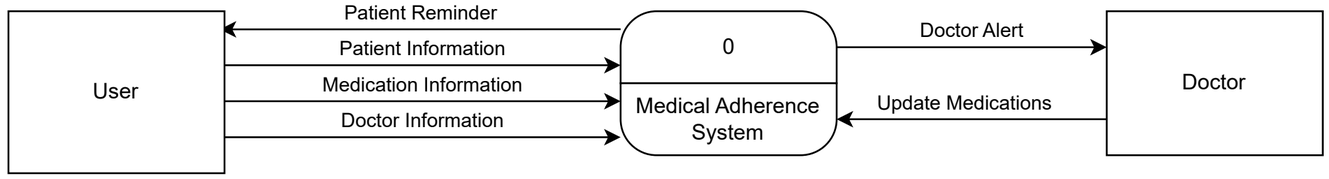
I/O Description

Data Flow	Data Item	Remarks
Patient Reminder		Reminder to user to take medication
Patient Information	Patient name, DOB	
Medication information	Type of medication Frequency/time it should be taken Conditions/reminders Medication Severity	Conditions could include "take with food" Medication severity controls if a doctor is alerted when medication is missed
Doctor Information	Phone number Email Doctor's app profile	Allows system to notify doctor
Doctor Alert	Type of medication	Sends alert to doctor when medication isn't taken



I/O Description

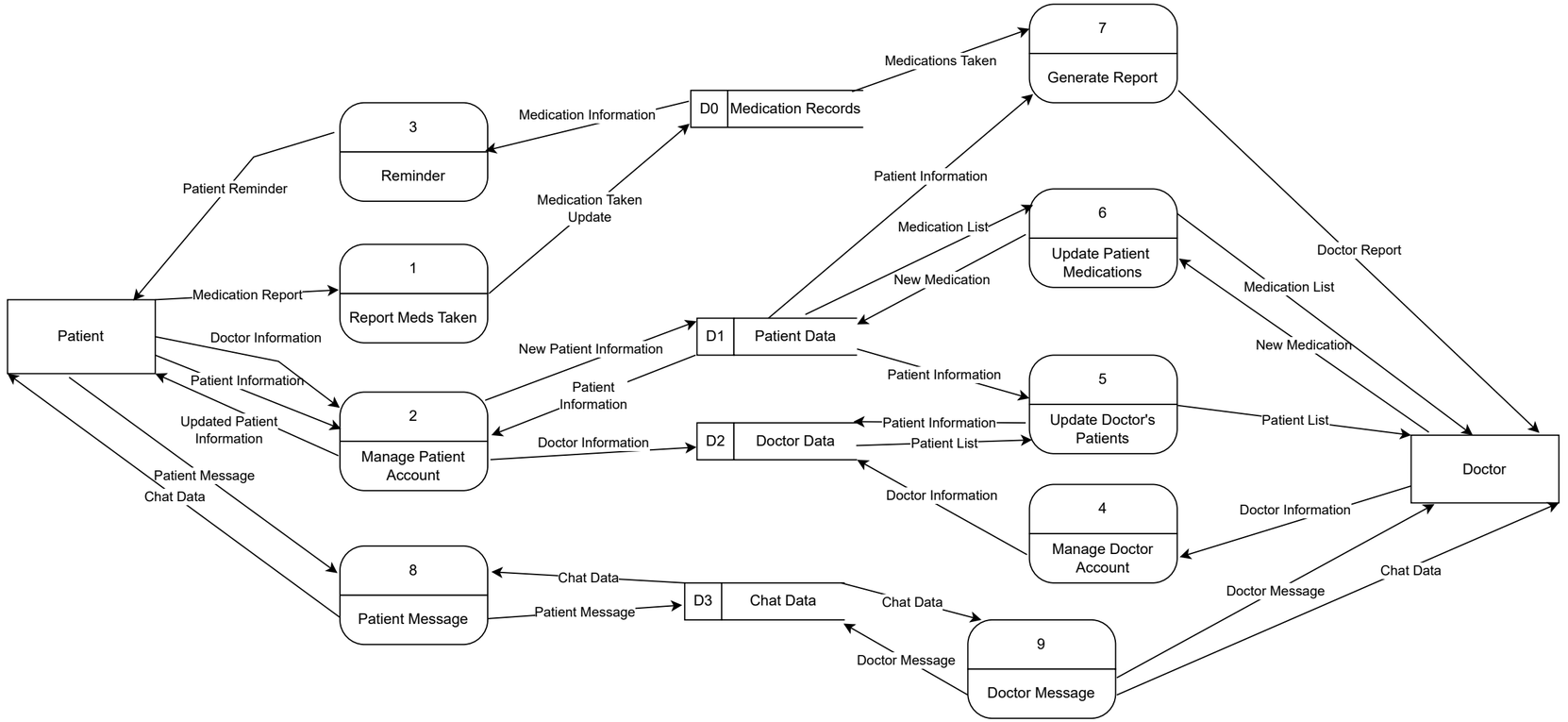
Data Flow	Data Item	Remarks
Medication information	Type of medication Frequency/time it should be taken Conditions/reminders Medication severity	Conditions could include "take with food" Medication severity controls if a doctor is alerted when medication is missed
Patient Information	Patient name Phone Number Medical Provider Birth date Sex Insurance Provider	
Doctor Information	Phone number Email Doctor's app profile	Allows system to notify doctor
Patient Reminder	Type of medication Conditions/reminders	
Medication Report		
Updated Patient Information	Patient name Phone Number Medical Provider Birth date Sex Insurance Provider	
Patient Message	Text from patient	
Chat Data	Text from patient Text from doctor	Record of all texts from both patient and doctor
Medication Taken Update		
New Patient Information	Information Timestamp	Passes information input by patient with a timestamp
Medications Taken	Medications confirmed to be taken	
Medication List		List of all medications that the patient takes
New Medication	Type of medication Frequency/time it should be taken Conditions/reminders Medication severity	New medication from doctor to be added to list

Doctor Message	Text from doctor	
Patient List		List of all patients
Doctor Report	Patient name Medications confirmed to be taken	
New Med. List		

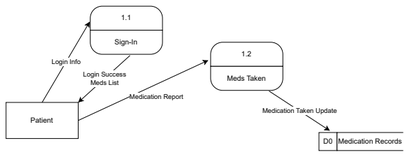
New Patient List		List of all patients with new patient information

As A Patient
Manage my account
Recieve Updates
Report Meds Taken

As A Doctor
Manage my account
Add/Remove Paitents
Prescribe Medications
Recieve Updates



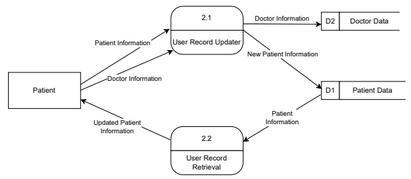
#1 Report Meds Taken



#1 I/O Description

Data Flow	Data Item	Remarks
Login Info		
Login Success Meds List		
Medication Taken Update		
Medication Report		

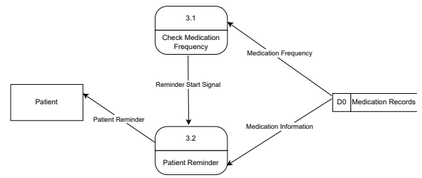
#2 Manage Patient Account



#2 I/O Description

Data Flow	Data Item	Remarks
Patient Information	Patient name Phone Number Medical Provider Birth date Sex Insurance Provider	
Updated Patient Information	Patient name Phone Number Medical Provider Birth date Sex Insurance Provider	
New Patient Information	Information Timestamp	Passes information input by patient with a timestamp
Doctor Information	Phone number Email Doctor's app profile	Allows system to notify doctor

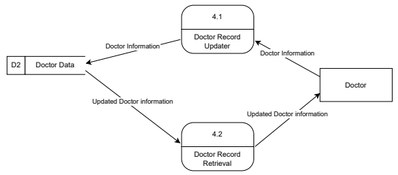
#3 Reminder



#3 I/O Description

Data Flow	Data Item	Remarks
Medication information	Type of medication Frequency/time it should be taken Conditions/reminders Medication severity	Conditions could include "take with food" Medication severity controls if a doctor is alerted when medication is missed
Patient Reminder	Type of medication Conditions/reminders	
Medication Frequency	Time last medication reminder was sent Frequency medication should be taken	
Reminder Start Signal	Type of medication	Indicates it is time to send a reminder

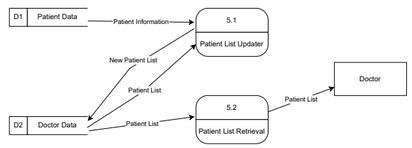
#4 Manage Doctor Account



#4 I/O Description

Data Flow	Data Item	Remarks
Doctor Information	Phone number Email Doctor's app profile	
Updated Doctor Information	Phone number Email Doctor's app profile	

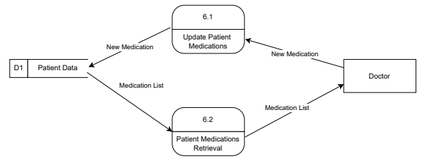
#5 Update Doctor's Patients



#5 I/O Description

Data Flow	Data Item	Remarks
Patient Information	Patient name Phone Number Medical Provider Birth date Sex Insurance Provider	
Patient List		List of all patients
New Patient List		List of all patients with new patient information

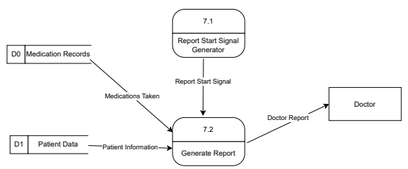
#6 Update Patient Medications



#6 I/O Description

Data Flow	Data Item	Remarks
New Medication	Type of medication Frequency/time it should be taken Conditions/reminders Medication severity	New medication from doctor to be added to list
Medication List		List of all medications that the patient takes

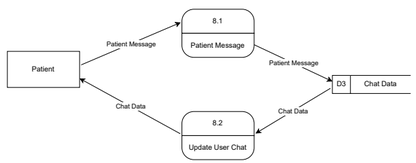
#7 Generate Report



#7 I/O Description

Data Flow	Data Item	Remarks
Patient Information	Patient name Phone Number Medical Provider Birth date Sex Insurance Provider	
Medications Taken	Medications confirmed to be taken	
Doctor Report	Patient name Medications confirmed to be taken	
Report Start Signal		Indicates it is time for a report to be sent

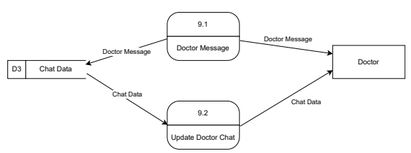
#8 Patient Message



#8 I/O Description

Data Flow	Data Item	Remarks
Patient Message	Text from patient	
Chat Data	Text from patient Text from doctor	Record of all texts from both patient and doctor

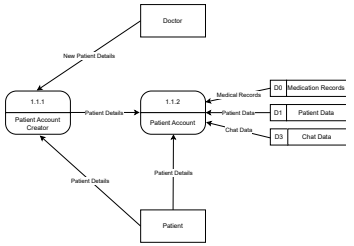
#9 Doctor Message



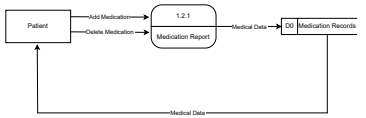
#9 I/O Description

Data Flow	Data Item	Remarks
Chat Data	Text from patient Text from doctor	Record of all texts from both patient and doctor
Doctor Message	Text from doctor	

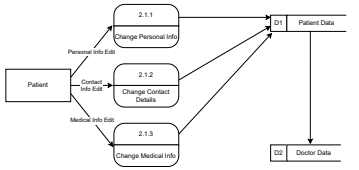
#1.1 Sign-In



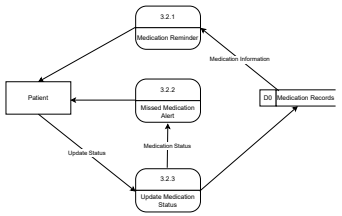
#1.2 Meds Taken



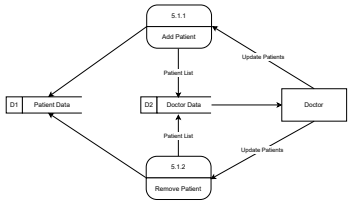
#2.1 User Record Updater



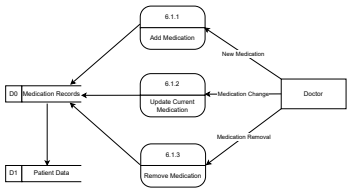
#3.2 Patient Reminder



#5.1 Patient List Updater



#6.1 Update Patient Medications



#7.1 Report Start Signal Generator

#1.1 I/O Description

Data Flow	Data Item	Remarks
New Patient Details	Patient name Username Email/phone number	Allows doctor to control patient account creation
Patient Details	Password Address Sex Birth date Insurance provider	Allows patient to complete sign-up
Medical Records		Patient can view medical records
Patient Data		Patient can view personal data
Chat Data		Patient can view chat with doctor

#1.2 I/O Description

Data Flow	Data Item	Remarks
Add Medication	Medication name	Allows patient to report which med(s) they have taken
Delete Medication	Medication name	Allows patient to easily fix mistaken inputs
Medical Data	Meds taken Date taken Time taken	

#2.1 I/O Description

Data Flow	Data Item	Remarks
Personal Info Edit	Address	Basic info that patient should be allowed to edit
Contact Info Edit	Phone number Email	
Medical Info Edit	Doctor Insurance provider	

#3.2 I/O Description

Data Flow	Data Item	Remarks
Medication Information	Medication When to take medication	
Update Status		
Medication Status	Taken Not taken	

#5.1 I/O Description

Data Flow	Data Item	Remarks
Update Patients		Doctor can add/remove patients
Patient List	List of patients	

#6.1 I/O Description

Data Flow	Data Item	Remarks
New Medication	Type of medication Amount to take Time of day to take How to take it	
Medication Change		Accounts for changes in dose, time of day to take, etc.
Remove Medication		

#7.1 I/O Description

Data Flow	Data Item	Remarks
Report Settings	Frequency of each report	Ex. every Friday at 2:00 p.m., every 5 days, ...