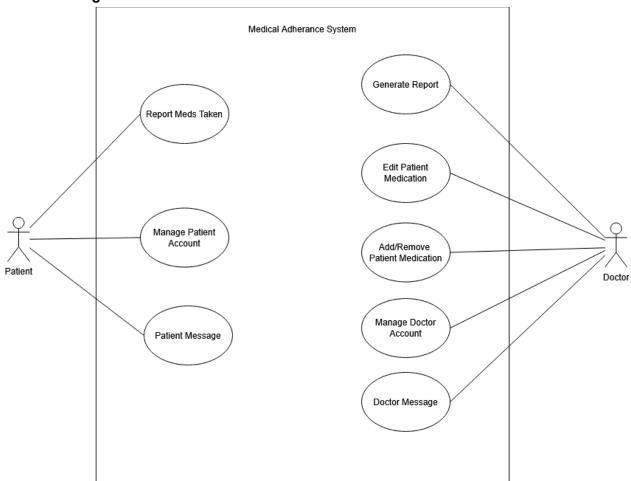
Dev Deliverable 2 Group members:

- Parisa Ashraf
- Connor Fair
- Julion Rowland
- Cheyenne Silverio
- Daevin Oey

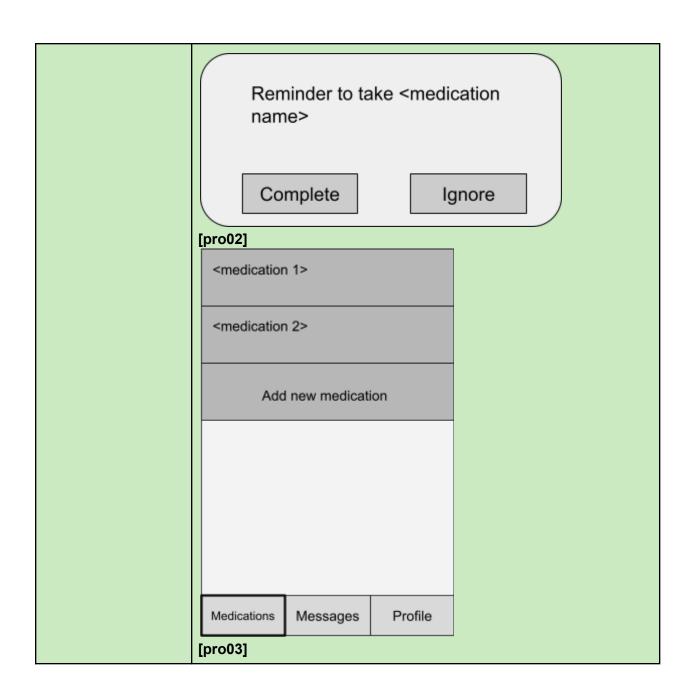
Use case diagram:

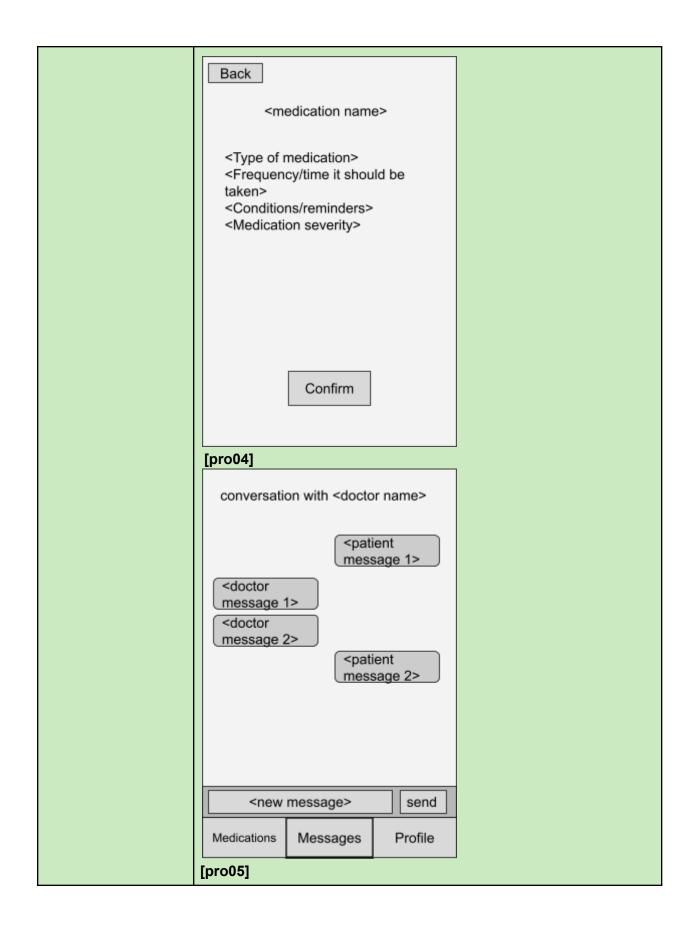


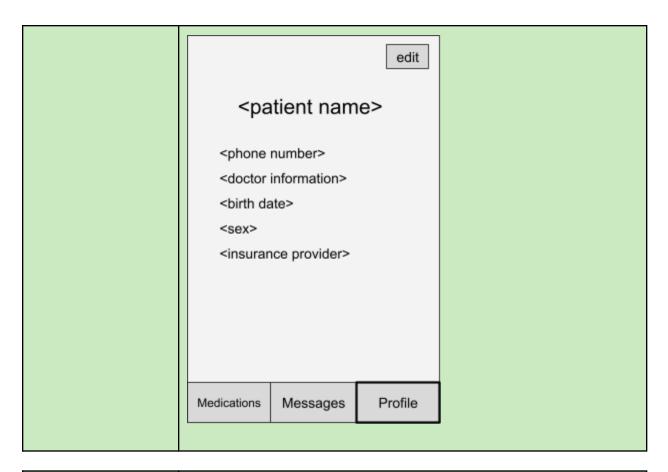
Use case specifications:

Name:	Report Meds Taken
Description	Confirm that a specific medication has been taken
Actor:	Patient
Entry condition:	The patient receives the notification
Basic path:	The patient will receive a notification [pro01] : -Medication name -options

	-complete -ignore -medication name 2. The patient selects complete to confirm that the relevant medication has been taken [a01][a02][e01][BR01]			
Alternative paths:	[a01] The patient taps the medication name 1. the patient selects a medication from the list in the medications tab [pro03] -medication name -medication information -options -back -confirm -messages -profile 2. Selecting the complete button will confirm that the patient has taken the medication [a03][a04][a05] [a02] The patient selects the ignore option 1. The notification disappears and the medication is not confirmed as taken [a03] The patient selects the back option 1. The patient is taken back to the medications tab [pro02] [a04] The patient selects the messages tab 1. The patient is taken to the messages tab [pro04] [a05] The patient selects the profile tab 1. The patient is taken to the profile tab [pro05]			
Exception path:	[e01] The Patient doesn't confirm that the medication was taken1. The system waits 6 hours and if the medication has not been confirmed by then, it assumes that it wasn't taken.			
Business rules:	[BR01] The system must have a record for each time the medication was confirmed as taken or not			
Data description:				
	Name Type Length Mask			
	Meds Taken	Boolean	1	-
	Time Meds Taken	String	15	day-month-yea r:AM\PM-Hour
Prototype:	[pro01]			

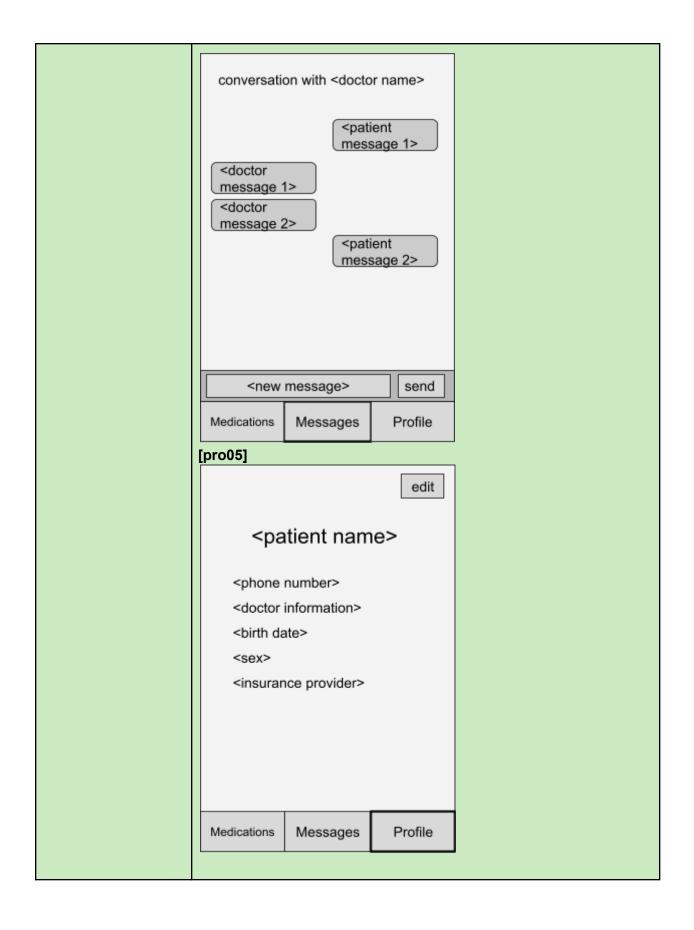






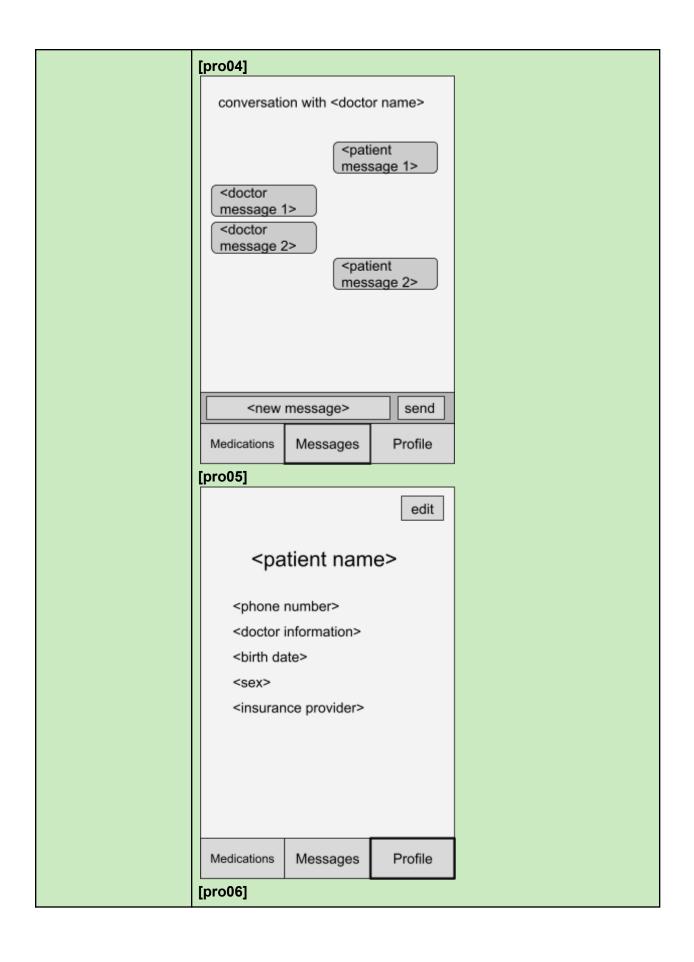
Name:	Patient message
Description	Send a message to the doctor
Actor:	Patient
Entry condition:	The patient is in the messages tab in the app
Basic path:	1. The patient is on the messages tab: [pro04] -doctor name -previous messages -options -enter message -send -medications -profile 2. The patient enters a message [a01][a02] 3. The patient selects send to send the message to their doctor [e01] 4. The sent message is displayed as a previous message
Alternative paths:	[a01] The patient selects the medications tab 1. The patient is taken to the medications tab [pro02]

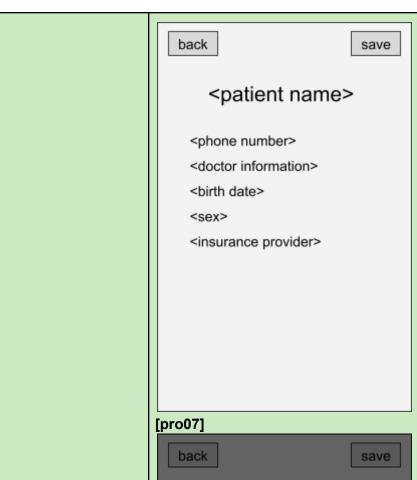
	[a02] The patient selects the profile tab 1. The patient is taken to the profile tab [pro05]				
Exception path:	[e01] The patient message is empty when they press send 1. The system doesn't send anything to the doctor				
Business rules:					
Data description:					
	Name	Туре	Le	ngth	Mask
	Message	String	16	0	-
	Time Message was Sent	e String	15		day-month-yea r:AM\PM-Hour
Prototype:	[pro02]				
	<medication '<="" th=""><th>1></th><th></th><th></th><th></th></medication>	1>			
	<medication 2<="" th=""><th>2></th><th></th><th></th><th></th></medication>	2>			
	Add r	new medicat	ion		
	Medications	Messages	Profile		
	[pro04]				



Name:	Manage Patient Account
Description	Edit patient information
Actor:	Patient
Entry condition:	The patient is in the profile tab in the app
Basic path:	1. The patient is on the profile tab: [pro05] -patient name -phone number -doctor information -birth date -sex -insurance provider -options -medications -messages -edit 2. The patient selects the edit button [a01][a02] 3. The patient can now edit their information [b01][b02][e01][e02] 4. The patient selects save to save any new information [pro6][a03][e03]
Alternative paths	 [a01] The patient selects the medications tab 1. The patient leaves the profile tab without making edits and is taken to the medications tab of the app [pro02] [a02] The patient selects the messages tab 1. The patient leaves the profile tab without making edits and is taken to the messages tab of the app [pro03] [a03] The patient selects the back option 1. The patient is returned to the profile tab and no new patient information is saved [pro05]
Exception path:	[e01] The patient selects the medications tab while editing information 1. The new information is not saved 2. The patient is taken to the medications tab [pro02] [e02] The patient selects the messages tab while editing information 1. The new information is not saved 2. The patient is taken to the messages tab [pro04] [e03] The patient tries to save while the new information does not meet the business rules 1. An error is shown [pro07] -error message -options -ok 2. The patient selects ok

	The error message disappears			
Business rules:	[b01] The phone number must be 10 digits long [b02] The doctor information must be valid			
Data description:	Name	Туре	Length	Mask
	Name	String	30	-
	Phone Number	String	12	XXX-XXX-XXX X
	Doctor Name	String	30	-
	Birth Date	String	10	XX-XX-XXXX (day-month-ye ar)
	Sex	String	5	-
	Insurance Provider	String	100	-
Prototype:	[pro02]			
	<medication 1=""></medication>			
	<medication 2=""></medication>			
	Add nev	w medication		
	Medications Medications	essages Prof	ile	
	wiedications	essages Prof	ile	

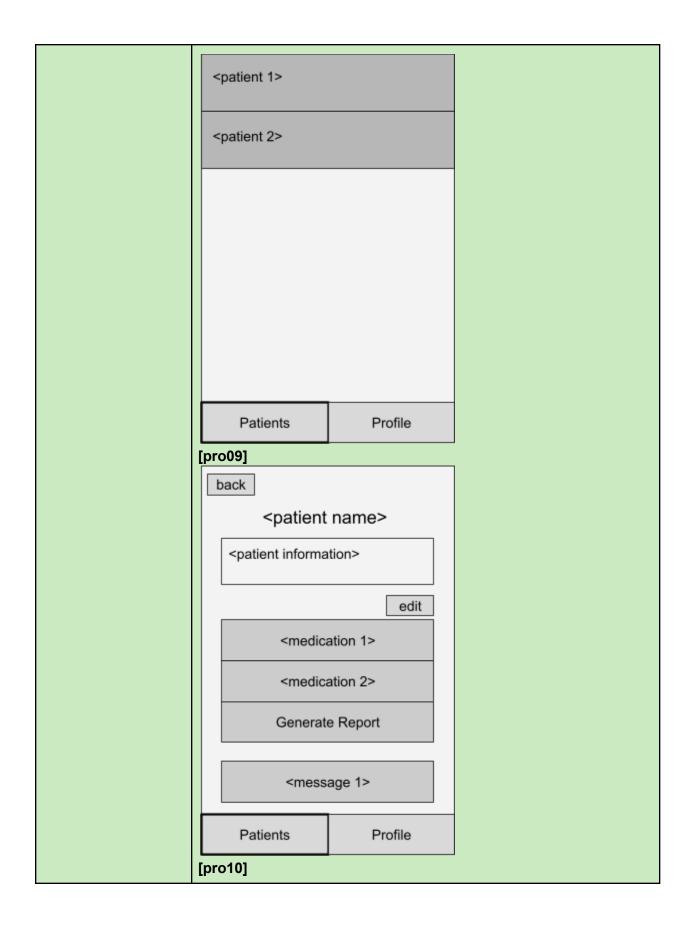


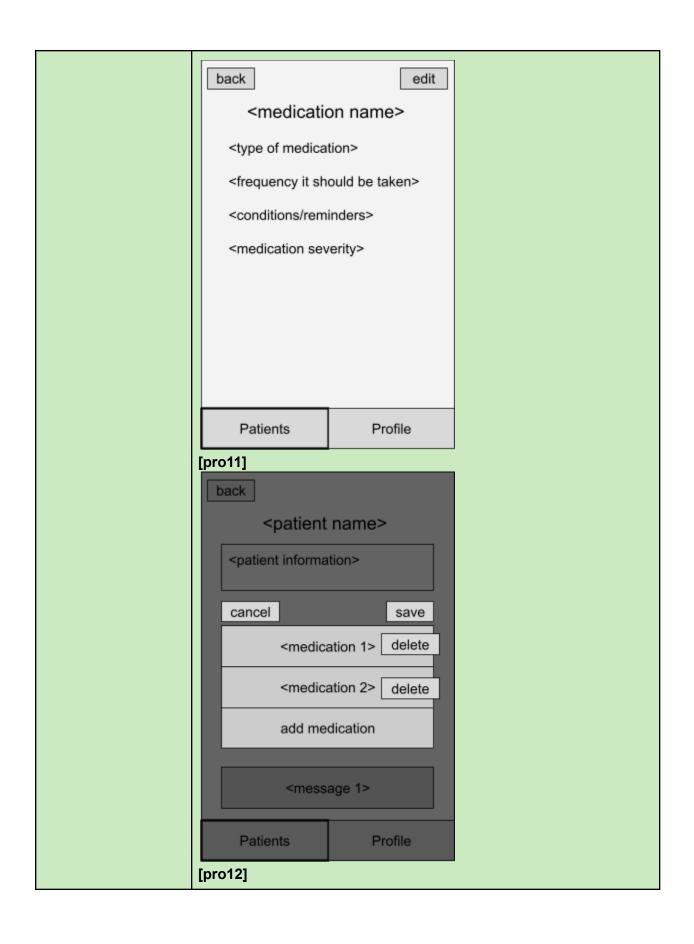


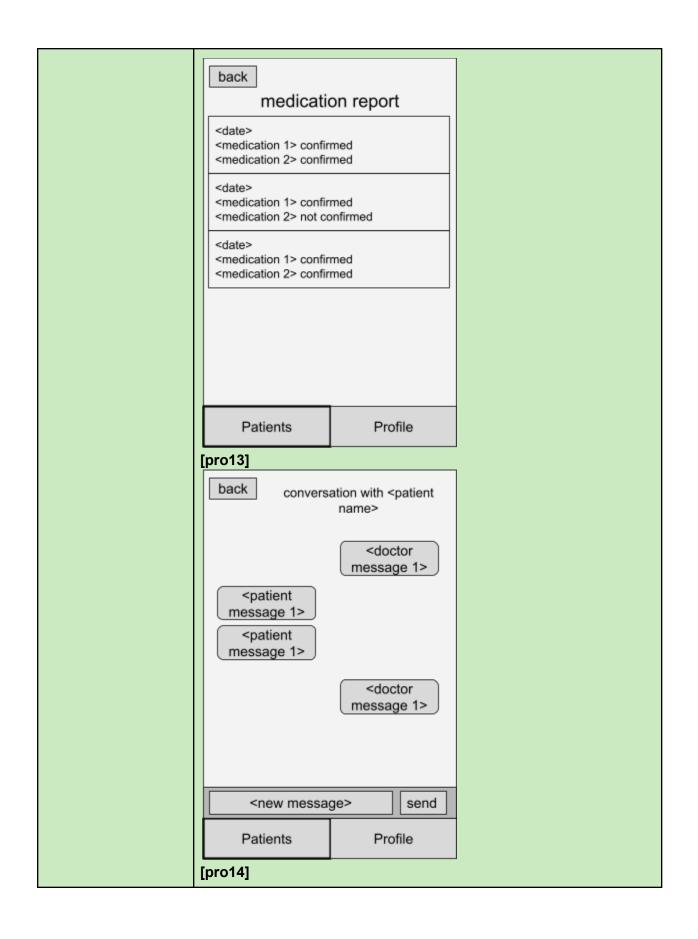


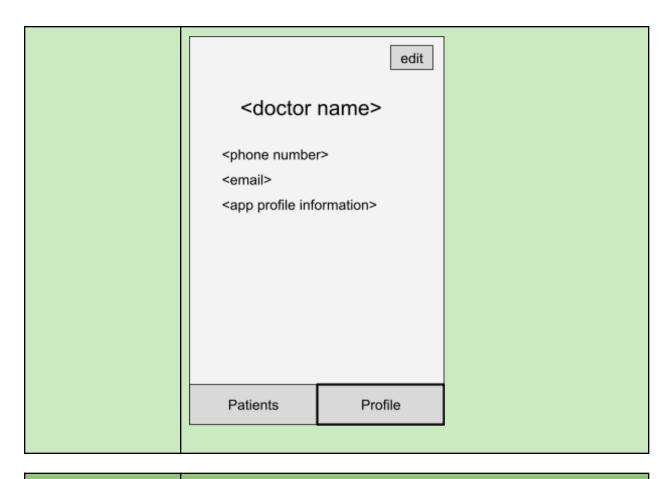
Name:	<u>Doctor Message</u>
Description	Send a message to the patient
Actor:	Doctor
Entry condition:	The doctor is in the patients tab in the app
Basic path:	1. The doctor is on the patients tab: [pro08] -options -patient names -profile 2. The doctor selects a patient: [pro09] -patient name -patient information -options -patient medications -edit -generate report -message -profile -back 3. The doctor selects message: [pro13][a01][a02][a03][a04][a05] -patient name -previous messages -options -enter message -send -back -profile 4. The doctor enters a message [a06][a07] 5. The doctor selects send to send the message to their patient [e01] 6. The sent message is displayed as a previous message
Alternative paths:	[a01] The doctor selects a medication 1. The doctor is shown more information about the medication: [pro10] -medication name -medication information -options -back -edit -profile [a02] The doctor selects edit 1. The doctor is able to edit the patient's medications: [pro11] -medication names -options -cancel

Exception path:	1. The doctor history: [p -date -medication -options -back -profile [a04][a07] The doctor 1. The doctor [a06] The doctor 1. The	r selects generater is shown a report of repor	ir confirmation state profile tab rofile tab [pro14] st of patients [proatient information	o 08] page [pro09]
	The system doesn't send anything to the patient			
Business rules:				
Data description:				
	Name	Туре	Length	Mask
	Message	String	160	-
	Time Message was Sent	String	15	day-month-yea r:AM\PM-Hour
Prototype:	[pro08]			





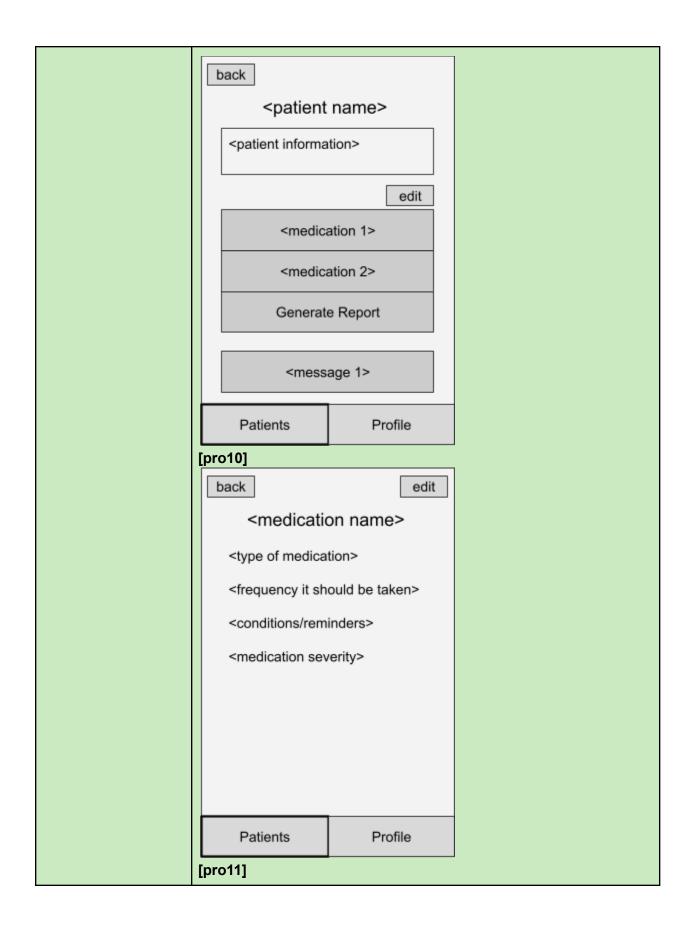


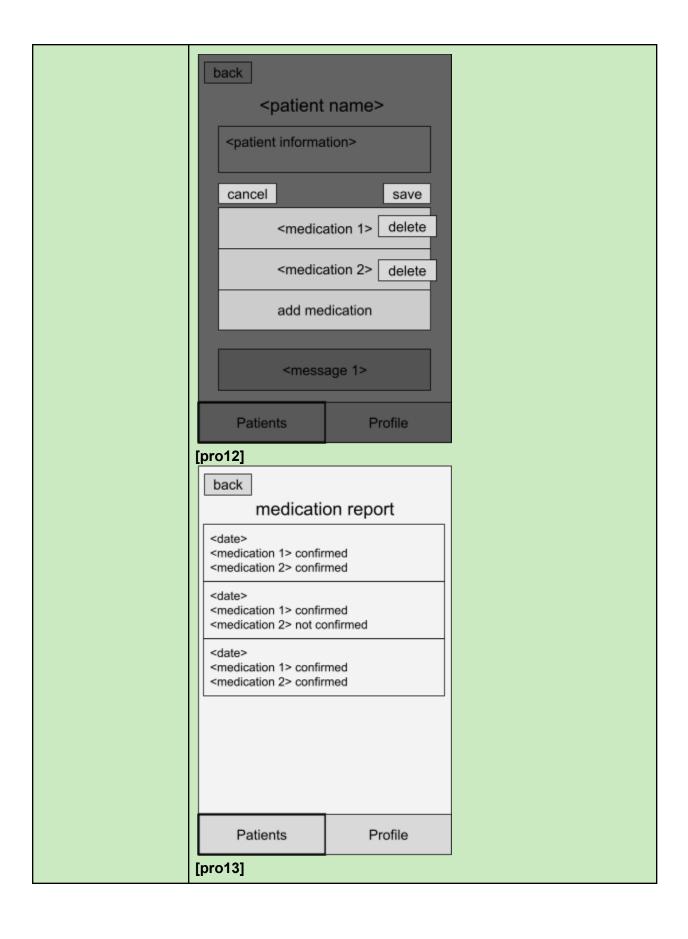


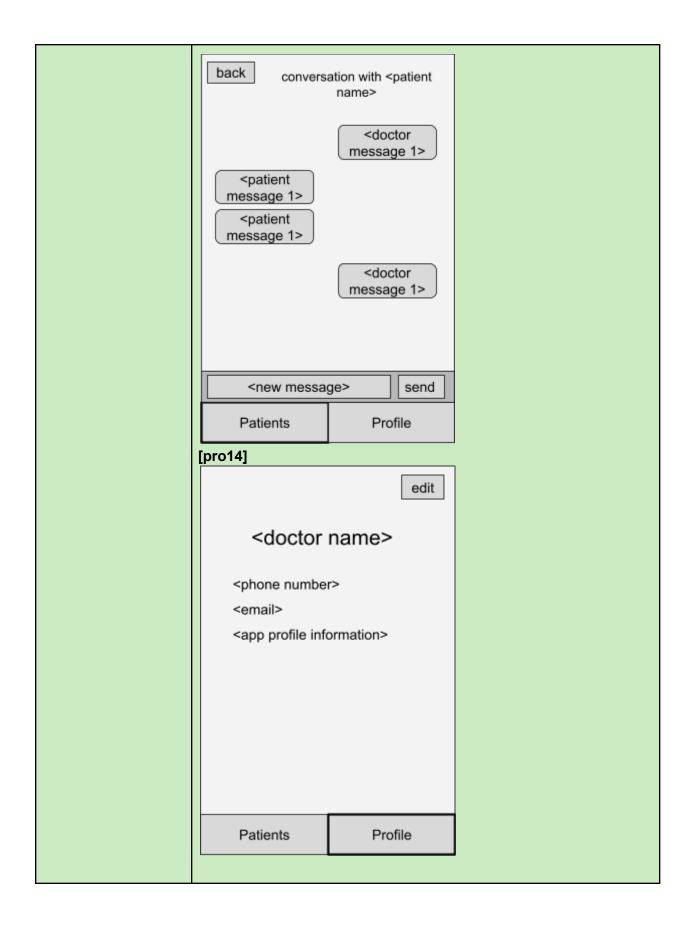
Name:	Generate Report
Description	See a list of the patient's history of confirming medication has been taken
Actor:	Doctor
Entry condition:	The doctor is in the patients tab in the app
Basic path:	1. The doctor is on the patients tab: [pro08] -options -patient names -profile 2. The doctor selects a patient: [pro09] -patient name -patient information -options -patient medications -edit -generate report -message -profile -back

	3. The doctor selects generate report: [pro13][a01][a02][a03][a04][a05] -patient name -previous messages -options -enter message -send -back -profile 4. The doctor is shown a report of the patient's medication history: [pro12] -date -medication names and their confirmation status -options -back -profile 5. The doctor selects back when done viewing the report[a06] 6. The doctor is taken to the patient information page [pro09]
Alternative paths:	[a01] The doctor selects a medication 2. The doctor is shown more information about the medication:

	The doctor is taken to the patient information page [pro09]	
Exception path:		
Business rules:		
Data description:		
Prototype:	[pro08] <pre><pre><pre><patient 1=""></patient></pre> </pre></pre>	
	Patients Profile	
	[pro09]	

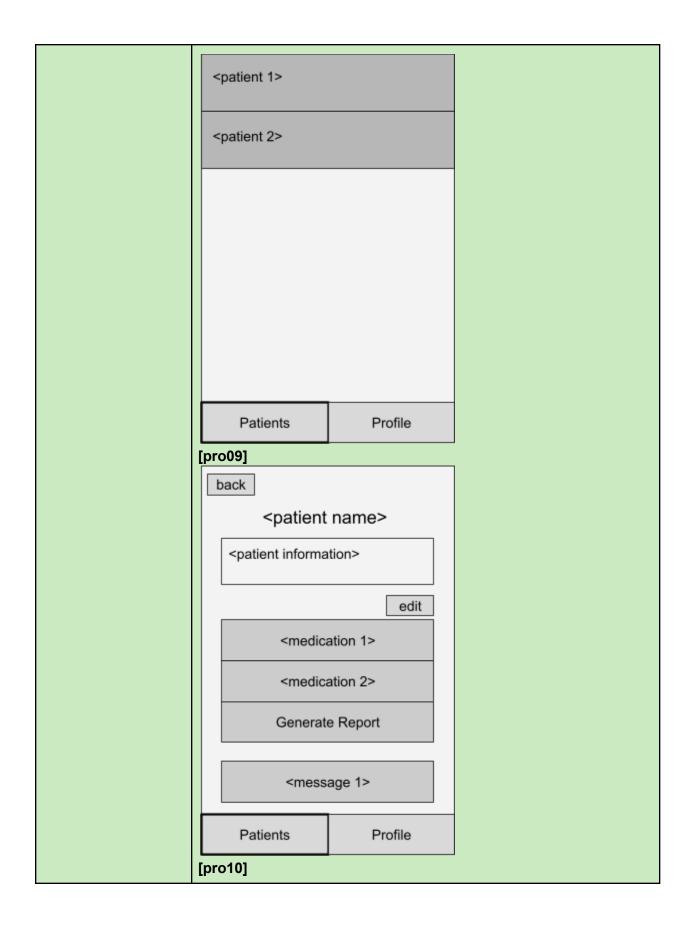


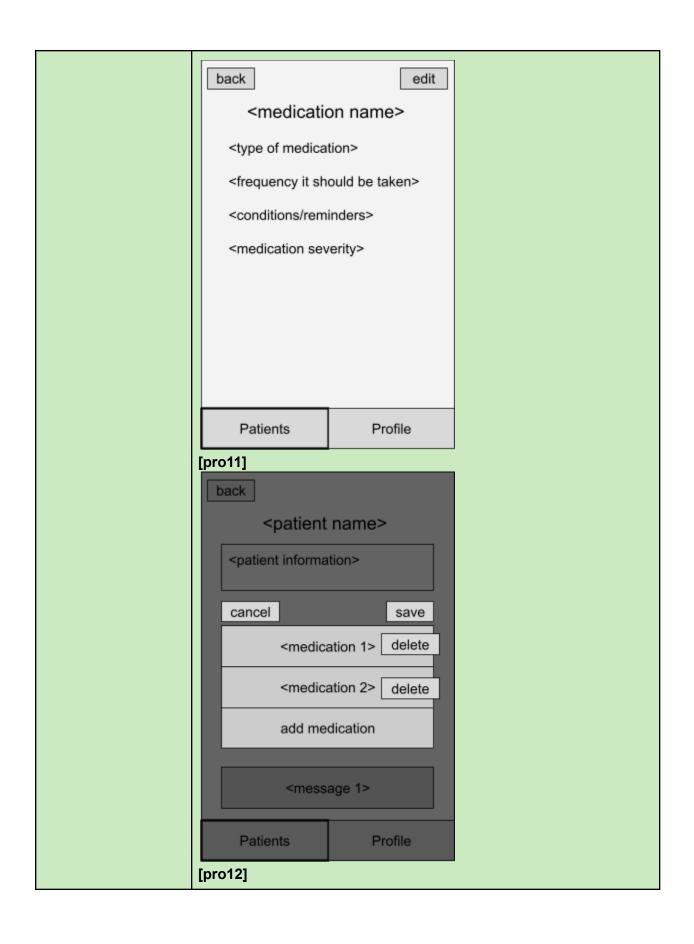


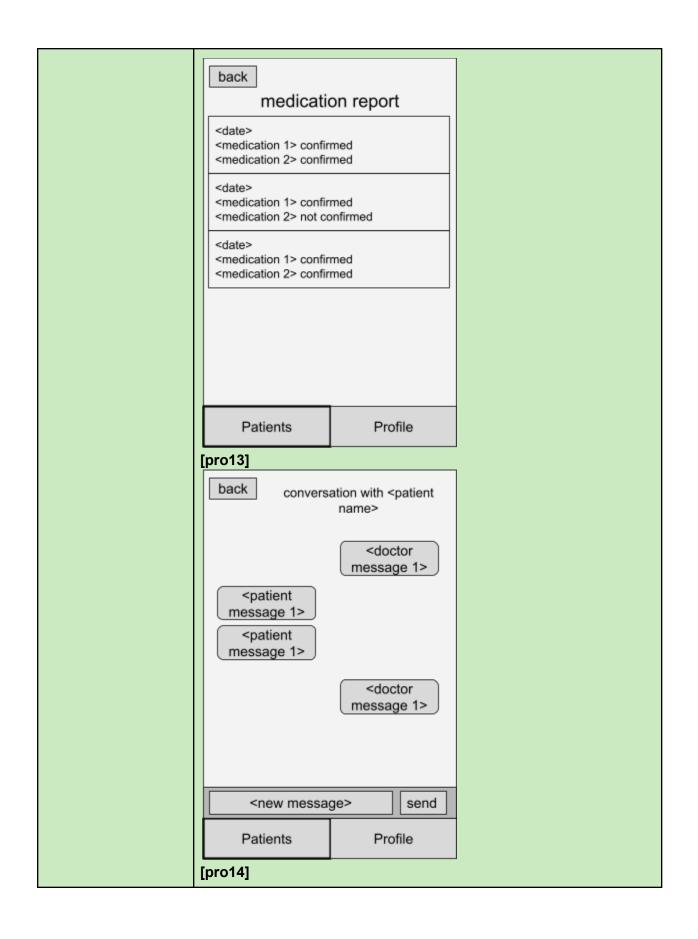


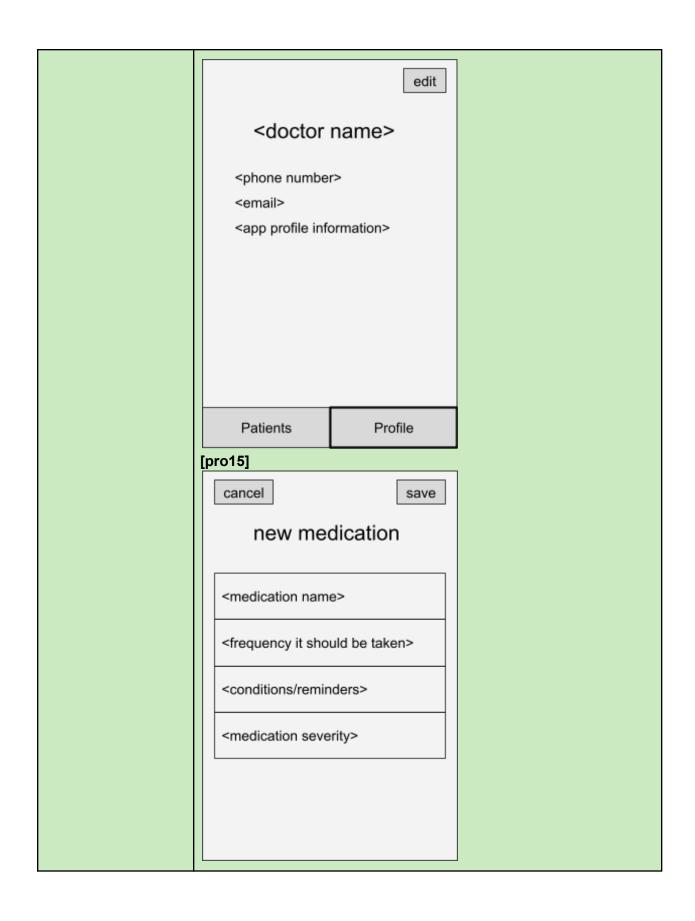
Name:	Add/Remove patient medication
Description	Add or remove medications to a patient's medication list
Actor:	Doctor
Entry condition:	The doctor is in the patients tab in the app
Basic path:	1. The doctor is on the patients tab: [pro08] -options -patient names -profile 2. The doctor selects a patient: [pro09] -patient name -patient information -options -patient medications -edit -generate report -message -profile -back 3. The doctor selects edit: [pro11][a01][a02][a03][a04][a05] -medication list -options -cancel -save -delete -add medication 4. The doctor selects delete to remove a medication from the medication list 5. The doctor selects add medication: [pro15] -options -save -cancel 6. The doctor can edit fields for: [a06] [b01] -medication name -frequency it should be taken -conditions/reminders -medication severity 7. The doctor selects save to add new medication to medication list 8. The doctor is taken to the medication edit screen [pro11] 9. The doctor selects save to save changes to the medication list 11. The doctor is taken to the patient information screen [pro09]
Alternative paths:	[a01] The doctor selects a medication 1. The doctor is shown more information about the medication: [pro10]

	-medication name -medication information -options -back -edit -profile [a02] The doctor selects generate 1. The doctor is shown a report of the patient's medication history: [pro12] -date -medication names and their confirmation status -options -back -profile [a03] The doctor selects message			
	1. The doctor is taken to the message tab[pro13] -patient name -previous messages -options -enter message -send -back -profile [a04] The doctor selects the profile tab 1. The doctor is taken to the profile tab [pro14] [a05] The doctor selects back 1. The doctor is taken to the patient information page [pro09] [a06] the doctor selects cancel 1. the doctor is taken to the medication list edit screen [pro11]			
Exception path:				
Business rules:	[b01] Medication nan	ne and medication fre	quency are required	fields
Data description:				
	Name	Type	Length	Mask
	Medication Name	String	30	-
	Medication Type	String	30	-
	Frequency	String	30	-
	Conditions/ Reminders	String	80	-
	Severity	String	20	-
Prototype:	[pro08]			



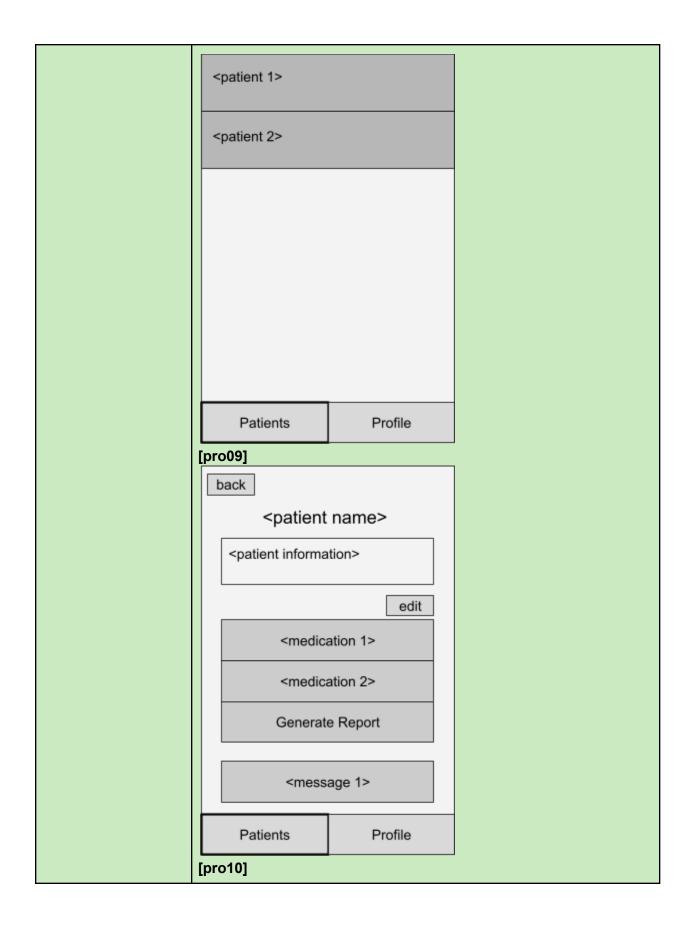


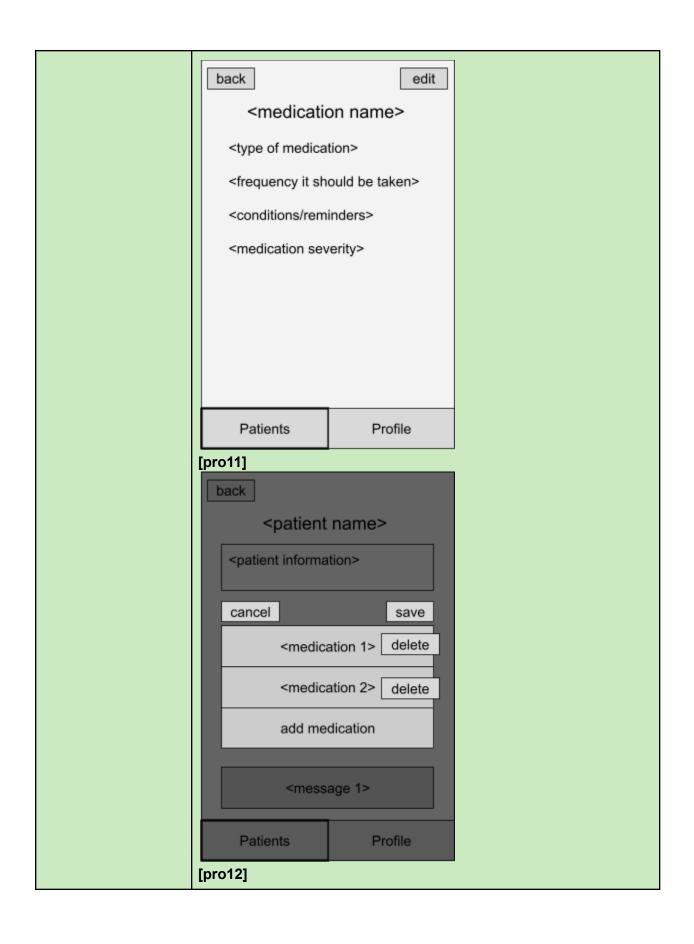


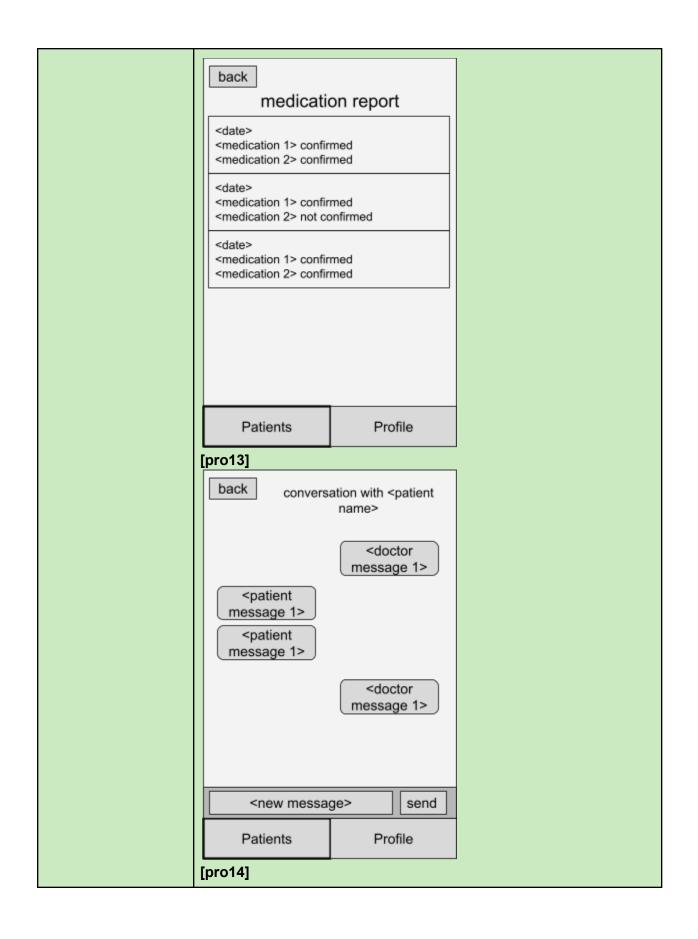


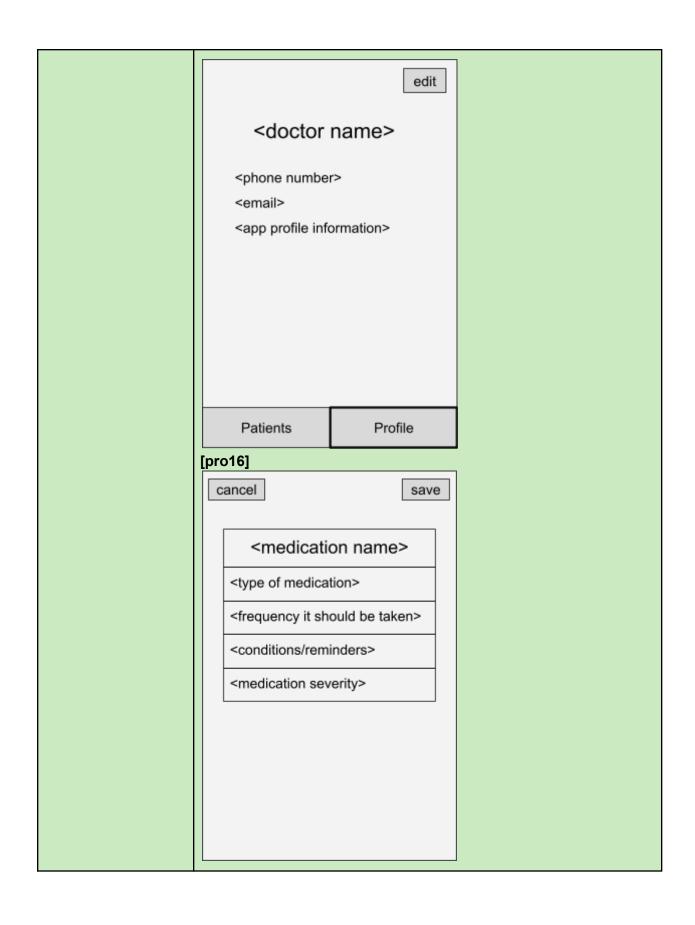
Name:	Edit patient medication		
Description	Add or remove medications to a patient's medication list		
Actor:	Doctor		
Entry condition:	The doctor is in the patients tab in the app		
Basic path:	1. The doctor is on the patients tab: [pro08] -options -patient names -profile 2. The doctor selects a patient: [pro09] -patient name -patient information -options -patient medications -edit -generate report -message -profile -back 3. The doctor selects a medication: [pro10][a01][a02][a03][a04][a05] -medication name -medication information -options -back -edit -profile 4. The doctor selects edit: [pro16][a06][a07] -options -cancel -save 5. the medication fields become editable 6. the doctor selects save to confirm the changes to the medication information [a08]		
Alternative paths:	[a01] The doctor selects edit 1. The doctor is able to edit the patient's medications: [pro11] -medication names -options -cancel -save -delete -add medication [a02] The doctor selects generate 1. The doctor is shown a report of the patient's medication history: [pro12]		

	-date -medication names and their confirmation status -options -back -profile [a03] The doctor selects message 1. The doctor is taken to the message tab[pro13] -patient name -previous messages -options -enter message -send -back -profile [a04] [a07] The doctor selects the profile tab 1. The doctor is taken to the profile tab [pro14] [a05] The doctor selects back 1. The doctor is taken to the list of patients [pro08] [a06] The doctor selects back 1. The doctor selects back 1. The doctor selects back 1. The doctor is taken to the patient information page [pro09] [a08] The doctor selects cancel 1. no new medication information is saved 2. the doctor is taken back to the medication information screen [pro10]			
Exception path:				
Business rules:				
Data description:	Name	Туре	Length	Mask
	Medication Name	String	30	IVIASK
	Medication Type	String	30	_
	Frequency	String	30	_
	Conditions/	String	80	
	Reminders	Juling		
	Severity	String	20	-
Prototype:	[pro08]			









Name:	Manage Doctor Account			
Description	Edit doctor information			
Actor:	Doctor			
Entry condition:	The doctor is in the profile tab in the app			
Basic path:	 The doctor is on the profile tab: [pro14] -doctor name -doctor information -options -edit -patients The doctor selects edit: [pro17][a01] -options -save -cancel The doctor information becomes editable [e01][b01][b02] the doctor selects save to update the information [a02] 			
Alternative paths:	[a01] the doctor selects patients 1. the doctor is taken to the patients tab [pro08] [a02] the doctor selects cancel 1. no new information is saved 2. the doctor is taken to the profile tab [pro14]			
Exception path:	[e01] the information entered doesn't satisfy the business rules 1. the doctor is shown an error message: [pro18] -error message -options -ok 2. the doctor selects ok 3. the doctor is taken to the edit profile screen [pro17]			
Business rules:	[b01] The phone number must be 10 digits long [b02] app profile information is required			
Data description:				
	Name	Туре	Length	Mask
	Medication Name	String	30	-
	Medication Type	String	30	-
	Frequency	String	30	-
	Conditions/ Reminders	String	80	-

	Severity	String	20	-
Prototype:	[pro08]			
	<patient 1=""></patient>			
	<patient 2=""></patient>			
	Detionts	Duefile		
	Patients	Profile		
	[pro14]			

