

Online Pharmacy Store

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Github Link: <https://github.com/syedMohib44/HCI-Project>

Introduction:

Electronic Commerce or e-commerce is business transactions that take place by communication networks. It is a process of buying and selling products, services, and information over the computer network. E-commerce is a set of dynamic technologies, applications and business process that link customers, suppliers, and communities through electronic transactions and the electronic exchange of information products and services. The idea of this project is to buy medicines without visiting the stores. I will design a user friendly interface by which customers can buy medicines like they buy from the pharmacy. This project can be used in any pharmaceutical shops. A person has to only order the desired medicines and in a very short time he will get them by a delivery boy at their doorstep.

Goal of project:

Many people choose to conduct shopping online because of the convenience. For example, when person shops at a brick-and-mortar store, he has to drive to the store, find a parking place, and walk throughout the store until he locates the products he needs. After finding the items he wants to purchase, he may often need to stand in long lines at the cash register. Say 'goodbye' to the days when you stood in line waiting, and waiting, and waiting some more for a store clerk to finally check out your items. Online shopping transactions occur instantly-saving your time. The aim of this system is to help and enable customers shop medicines online.

Working:

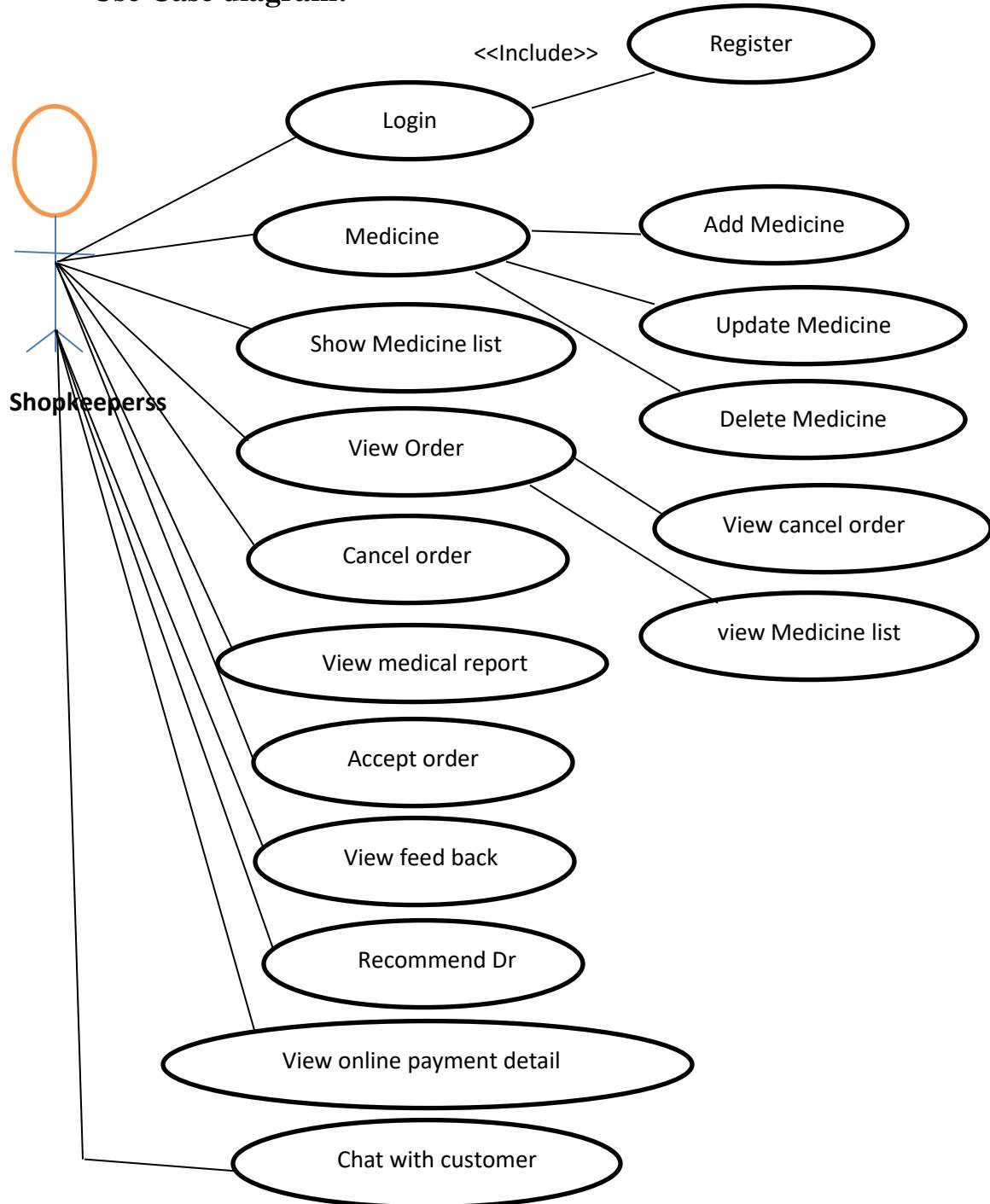
The idea of this project is to create and develop an online system by which customers will purchase medicines without having any difficulty of visiting the store. This methodology is reflected in the design of an online store to save quality time of an individual. The purpose of this project is to create interactive design prototype for online store application it will not be functional but the GUI will be interactive.

Doctor Appointment System:

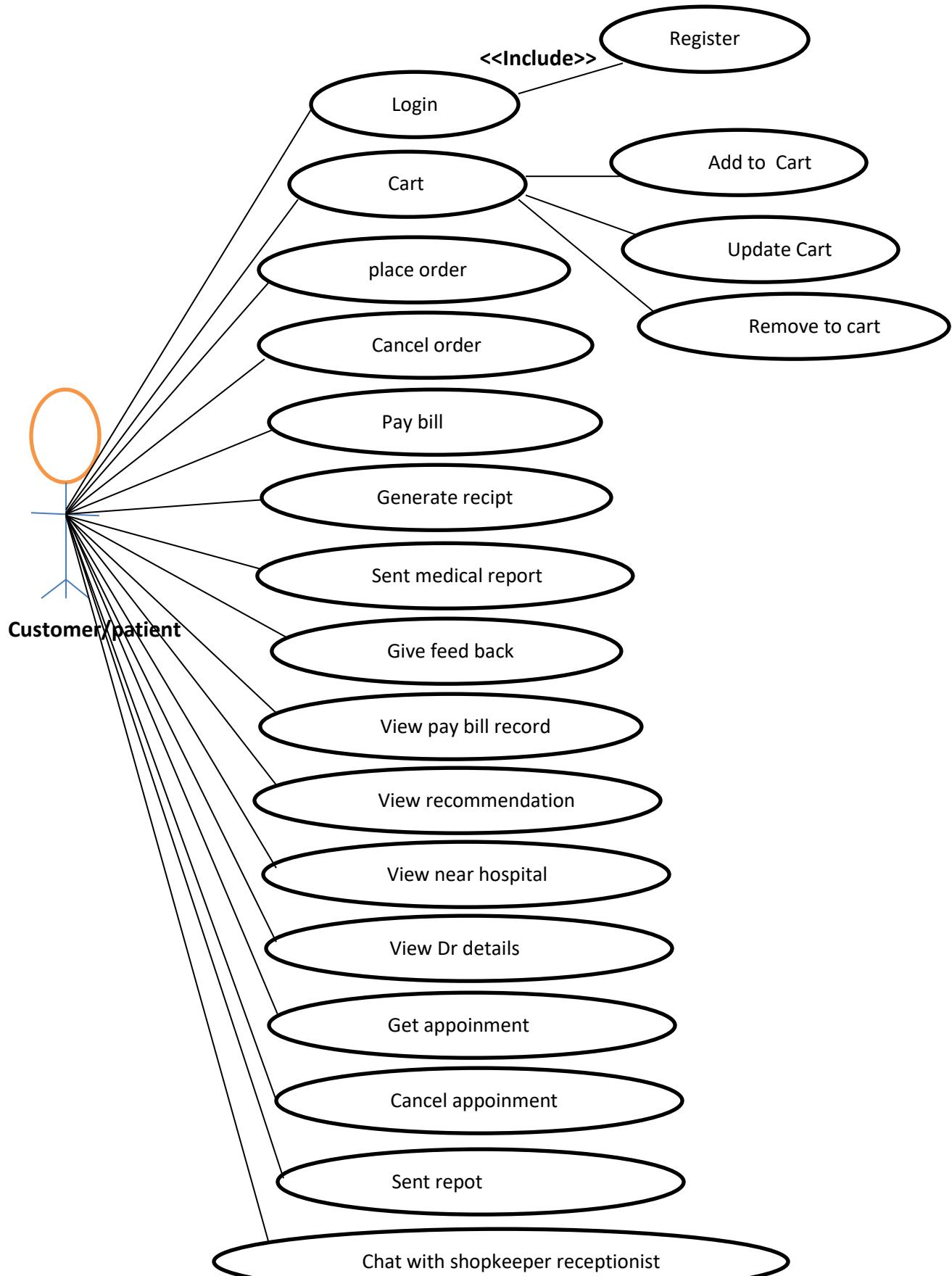
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We are also making a UI for the doctor appointment system which will help to override the problems prevailing in the practicing manual system. This will reduce the hardships faced by the existing system. No formal knowledge will be needed for the user to use the system. User will be able to see the doctor's list, doctor schedule details, doctor fee and will also be able to book an appointment. It will also track the information of all the appointments. The user friendly UI will provide ease for the patients to easily book an appointment by searching a particular doctor name too.

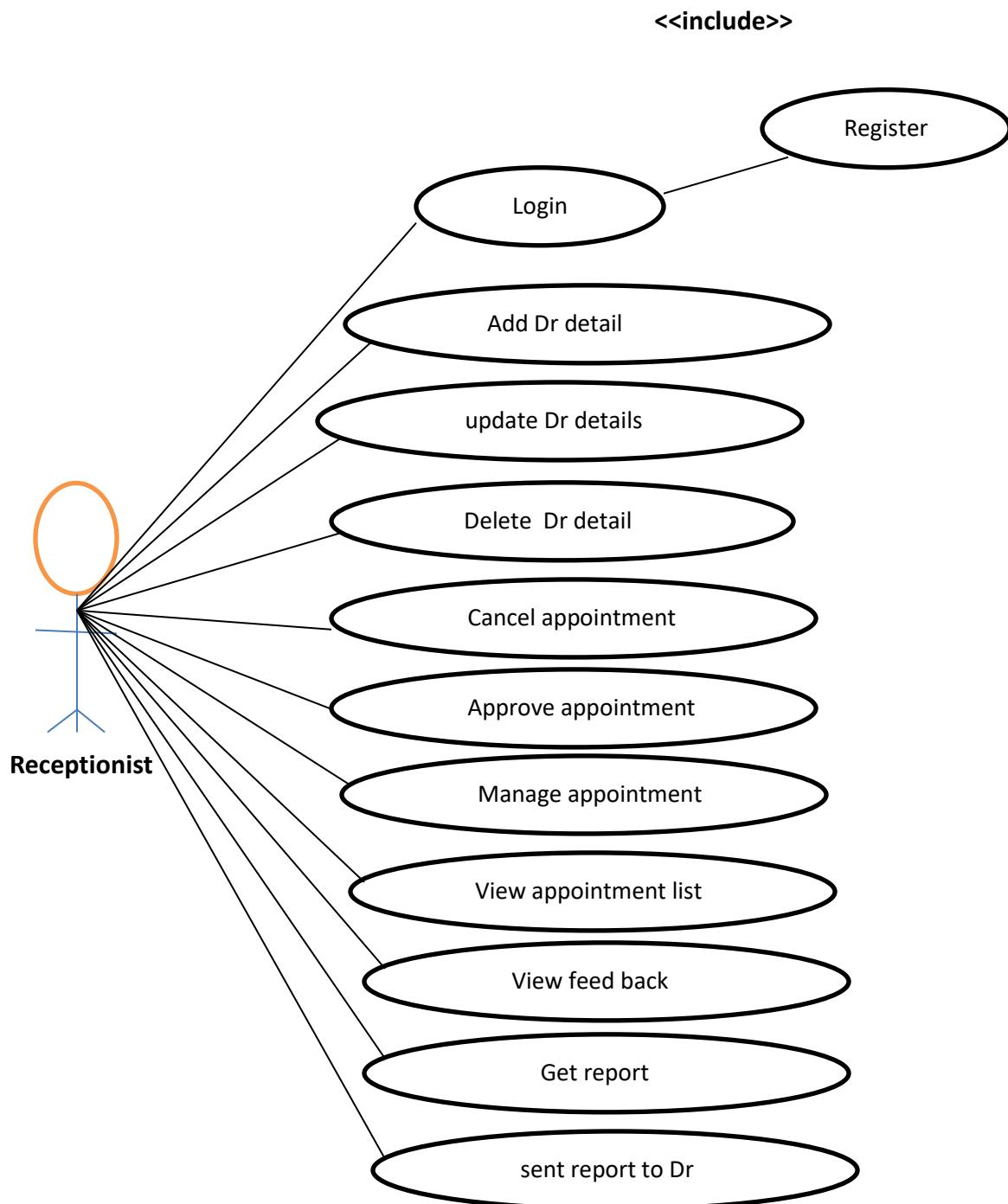
- **Use Case diagram:**



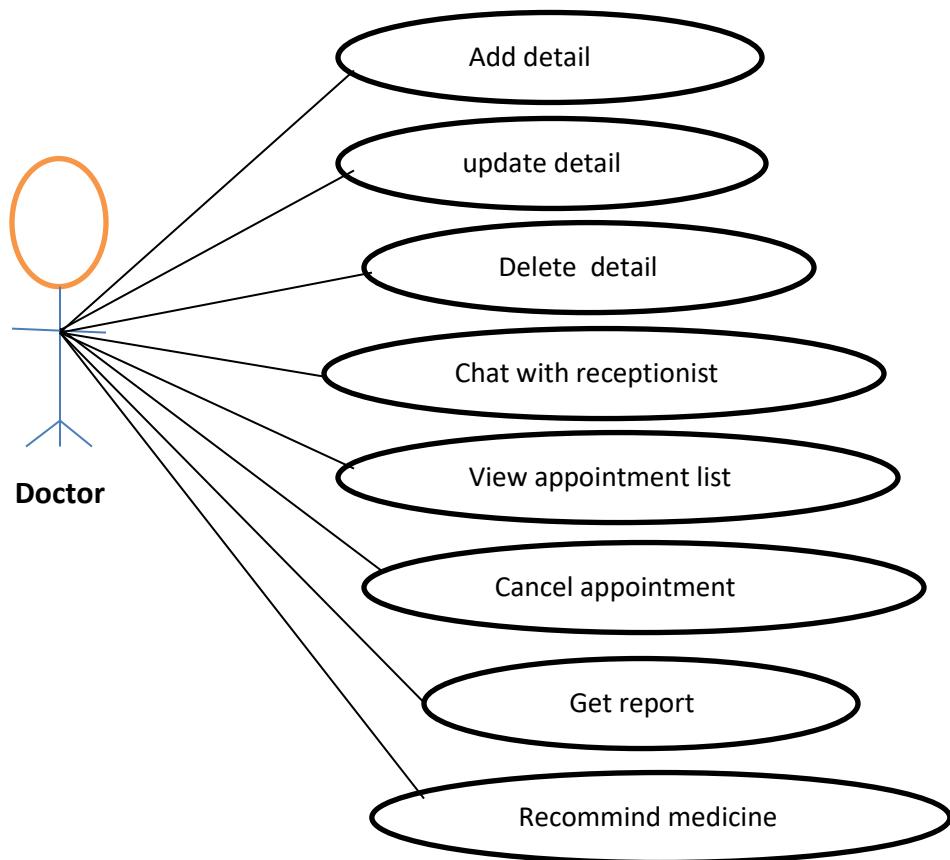
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● Task Analysis:

Goal :

1. Place order(customer)

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2. conform order and manage medicines (shopkeper)

3.get appointment(patient)

4. conform appointment(receptionist)

5. find the nearest hospital (patient)

6. find the schedule of Dr

7.approve appointment(Dr)

Precondition:

Application ,mobile, account , id ,password, registered hospital and store

Subtask:

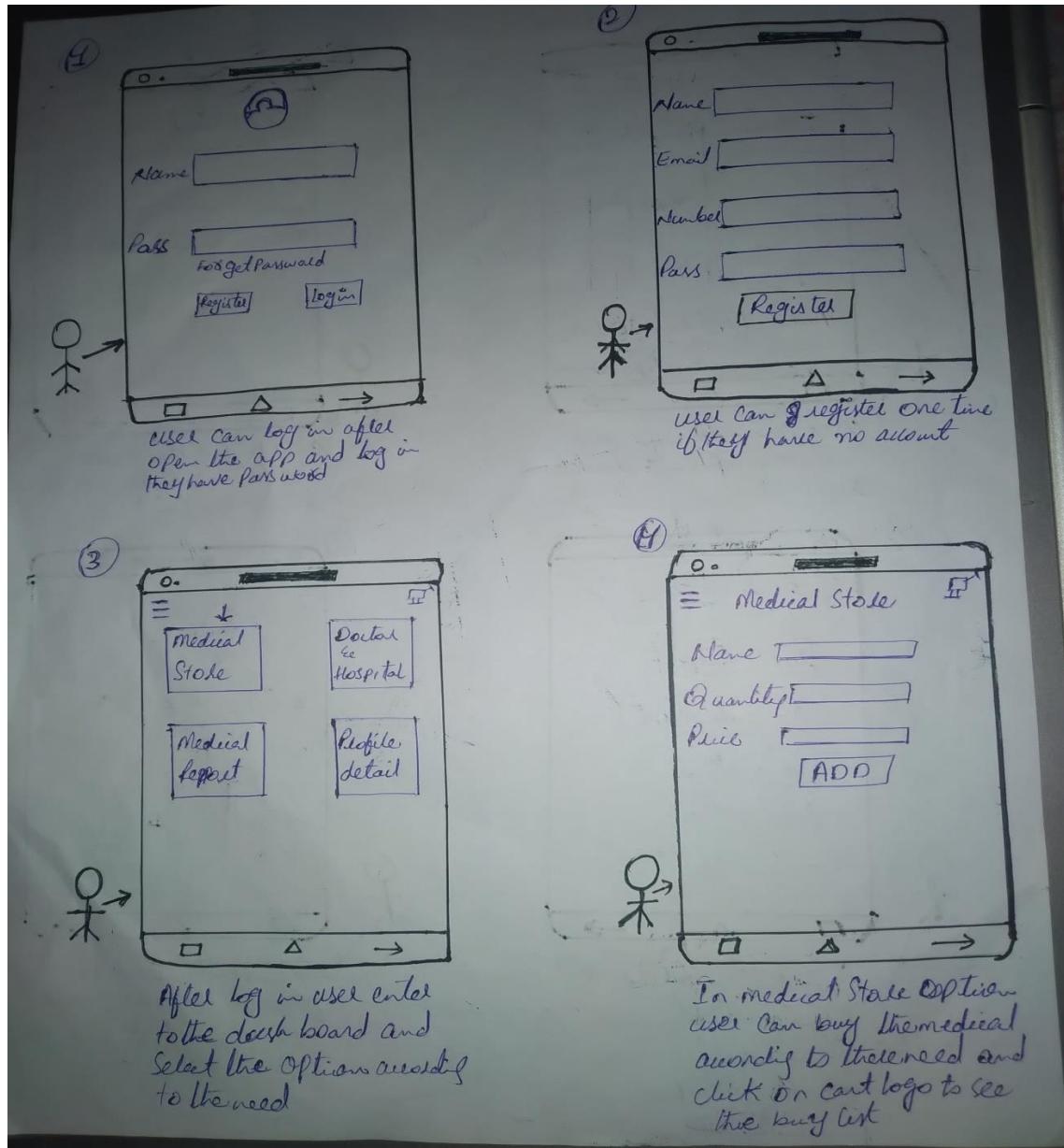
- Registration (patient ,customer , Dr ,Receptionist)
- Login (All)
- To place the order need to select the medicine from the list
- Add to cart with quantity
- Add update and delete the item in order list
- Cancel the order if order is place and you don't want this order
- Also send the medical report to the shopkeeper to get the medicine
- After place the order generate receipt
- Pay bill after get the order (goal 1 complete)
- Shopkeeper can add update delete the item into the list
- See the medicine list
- Get the medicine list to the customer and conform the order
- Conform the order
- Recommend the doctor to the patient or customer
- See the sealing detail
- Also cancel the order
- Accept the order and send the delivery to the customer (goal 2 complete)
- Patient find the nearest hospital through man
- Patient can check the doctor timing and days
- Patient fill the form
- Patient submit the reports
- Patient also get appointment
- Also cancel the appointment (goal3,5 complete)

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- Receptionist watch the appointment list
- Receptionist set the appointment
- Receptionist sent the report to the doctor
- Receptionist add update delete the dr schedule (goal 4 complete)
- Dr can add update change there days and timing
- Dr get the patient repot through receptionist
- Dr cancel the appointment
- Dr also approve appointment
- Dr check the appointment list (goal 7 comple

- **Story Board:**

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⑤

Medical Store Show List

Name	Quantity	Price
-	-	-
-	-	-
-	-	-
-	-	-

[ADD] [UPDATE] [DELETE] [Generate Receipt]

User can add more item and also update and delete the items.

⑥

Medical Store Generate Receipt

Name _____
CNIC _____
Items _____
Rs. _____

[Generate]

after buying the medicine user can click on generate to creat receipt.

⑦

Medical Store

[View Receipt] [Generate Receipt] [Pay Bill] [View Order]

After buying the product we can see Share map and order location to solve the issue and wait for the delivery.

⑧

Medical Store Map

Watching the ticket to collect the order and pay the paybill amount.

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(9)

Doctor & Hospital

Search

user can Search the nearest hospital from there Current location.

(10)

Hospital List

O View

O View

O View

view the hospital list and for the detail information

(11)

#	Name	Specialist	Detail	Appointment
1			[Detail]	[Appointment]
2			[Detail]	[Appointment]
3			[Detail]	[Appointment]

User see the list of the Doctor from the Selected hospital and get appointment

(12)

Doctor Profile

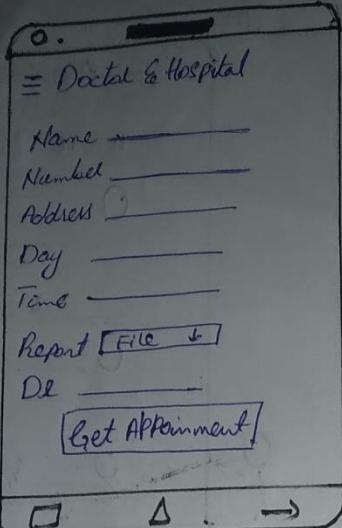
Detail

[Get Appointment]

[Cancel appointment]

User watch the doctor profile and also get or Cancel the appointment

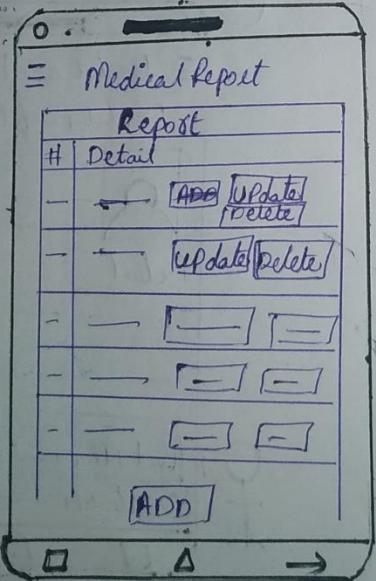
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(13) 

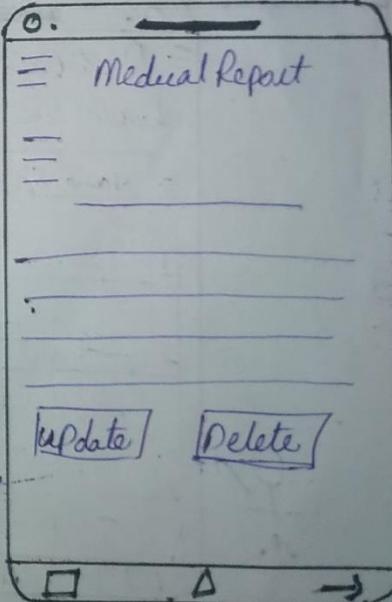
after fill this form user can get the appointment

(14) 

user can also cancel the appointment of Dr.

(15) 

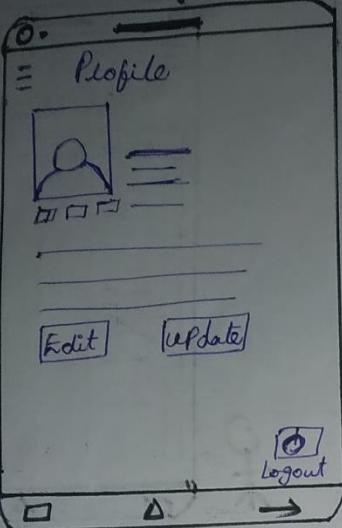
user can add their medical report and also update and delete the report

(16) 

after watching the report user update there report

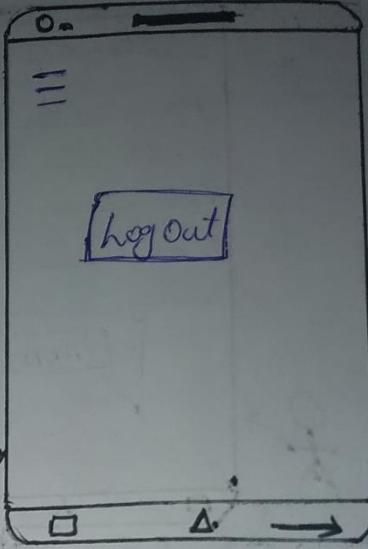
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(17)



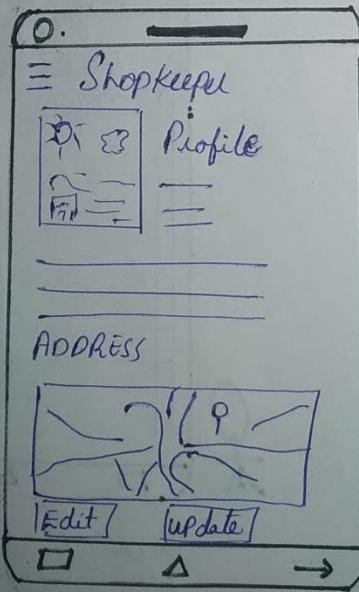
User can update or edit their profile according to their needs

(18)



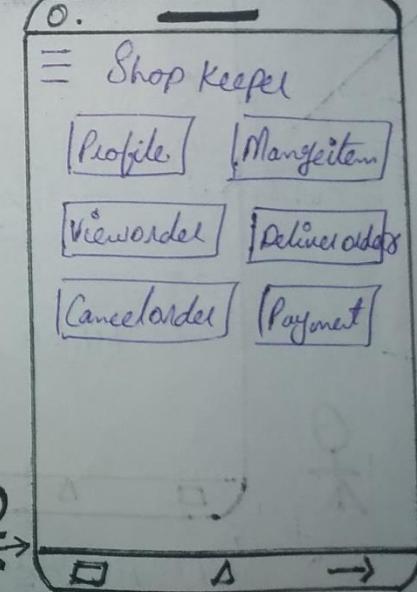
use logout after performing these actions

(19)



Shopkeeper after log in can update / add / delete there Shop info in there Shop Profile

(20)



Shop keeper perform all the above work after watch and select the manual from dash board

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(21)

Shopkeeper add the Product
On there Product list

(22)

Show keeper See the list
of item also update and
delete the item of the list

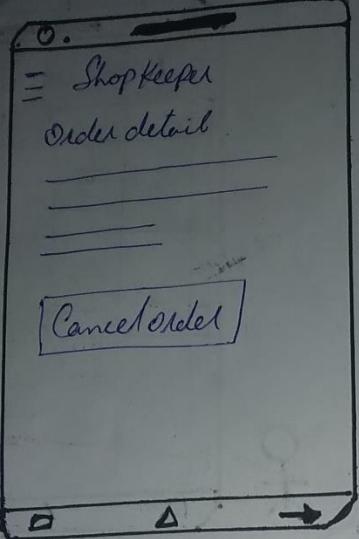
(23)

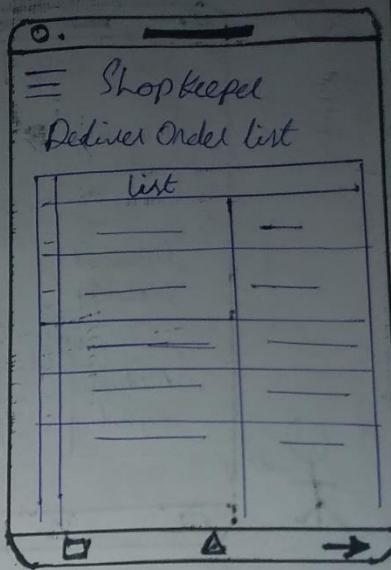
Shopkeeper update the item
of their list according
to there need

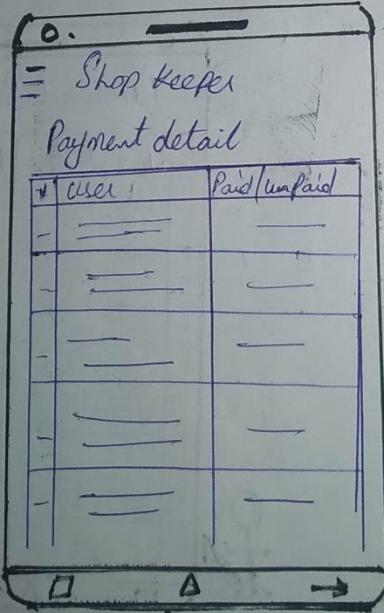
(24)

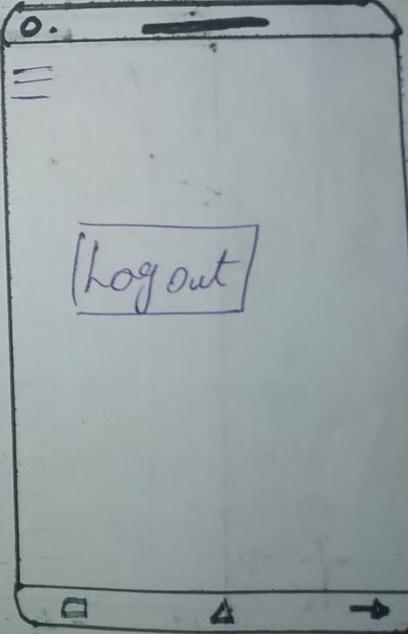
Shopkeeper view the list
of requested order

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(25) 
Shopkeeper Cancel the order due to shortage or other issue

(26) 
Shopkeeper view the deliver list after the accepting the order

(27) 
Shopkeeper See the payment information from this list

(28) 
Shopkeeper logout after performing the multiple action

Online Pharmacy Store

(29)

De & Receptionist

Appointment List	Manage Time
Appointment Schedule	Profile
Medical Report	

after login De or receptionist
Come into the dashboard for
further action

(30)

Appointment List

#	Name	Date	Detail	Action
1				Accept Cancel
2				Accept Cancel
3				
4				
5				
6				

De or receptionist Can
accept and Cancel the order
after watching the appointment
request list

(31)

Appointment List

#	Name	Date	Detail	Action
1				Accept Cancel
2				
3				
4				

De or receptionist Cancel
the appointment from the
appointment list

(32)

Appointment Schedule

#	Name	Date	Detail
1			
2			
3			
4			
5			
6			

De or receptionist Check
the or See the appointment
list after accept the
request

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The image contains four hand-drawn wireframe screens for a mobile application, each with a stick figure icon pointing to it.

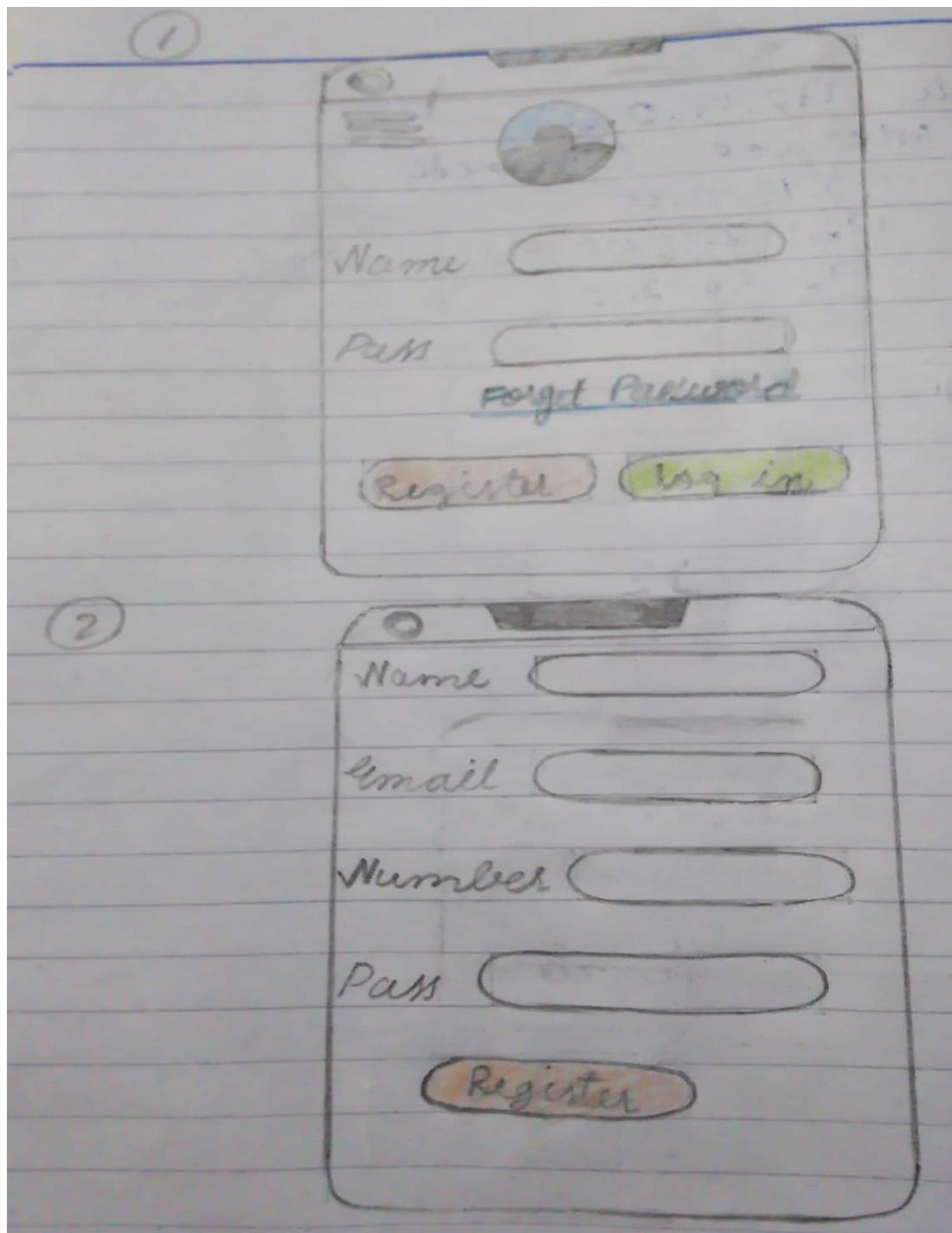
- Screen 33: Profile**
A smartphone screen titled "Profile". It features a user icon at the top, followed by several empty text input fields. At the bottom are "Edit" and "Update" buttons, and standard navigation icons (square, triangle, arrow).
- Screen 34: Medical Report**
A smartphone screen titled "Medical Report". It shows two medical report entries, each with a user icon and a "View" button. Below these is a large rectangular area for additional content. Navigation icons are at the bottom.
- Screen 35: Medical Report**
A second instance of the "Medical Report" screen, identical to Screen 34, showing two medical report entries and a large rectangular area for additional content. Navigation icons are at the bottom.
- Screen 36: Logout**
A smartphone screen with a single "Logout" button at the top. Navigation icons are at the bottom.

Annotations:

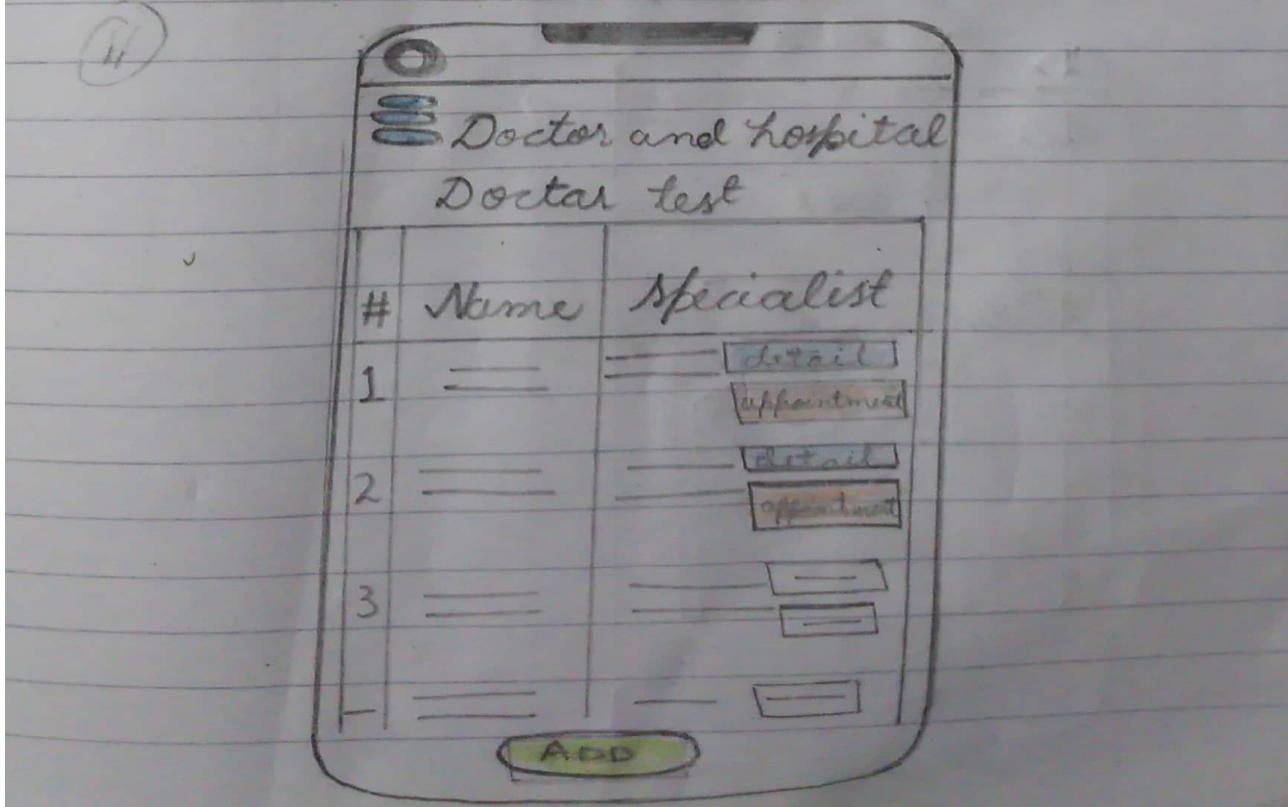
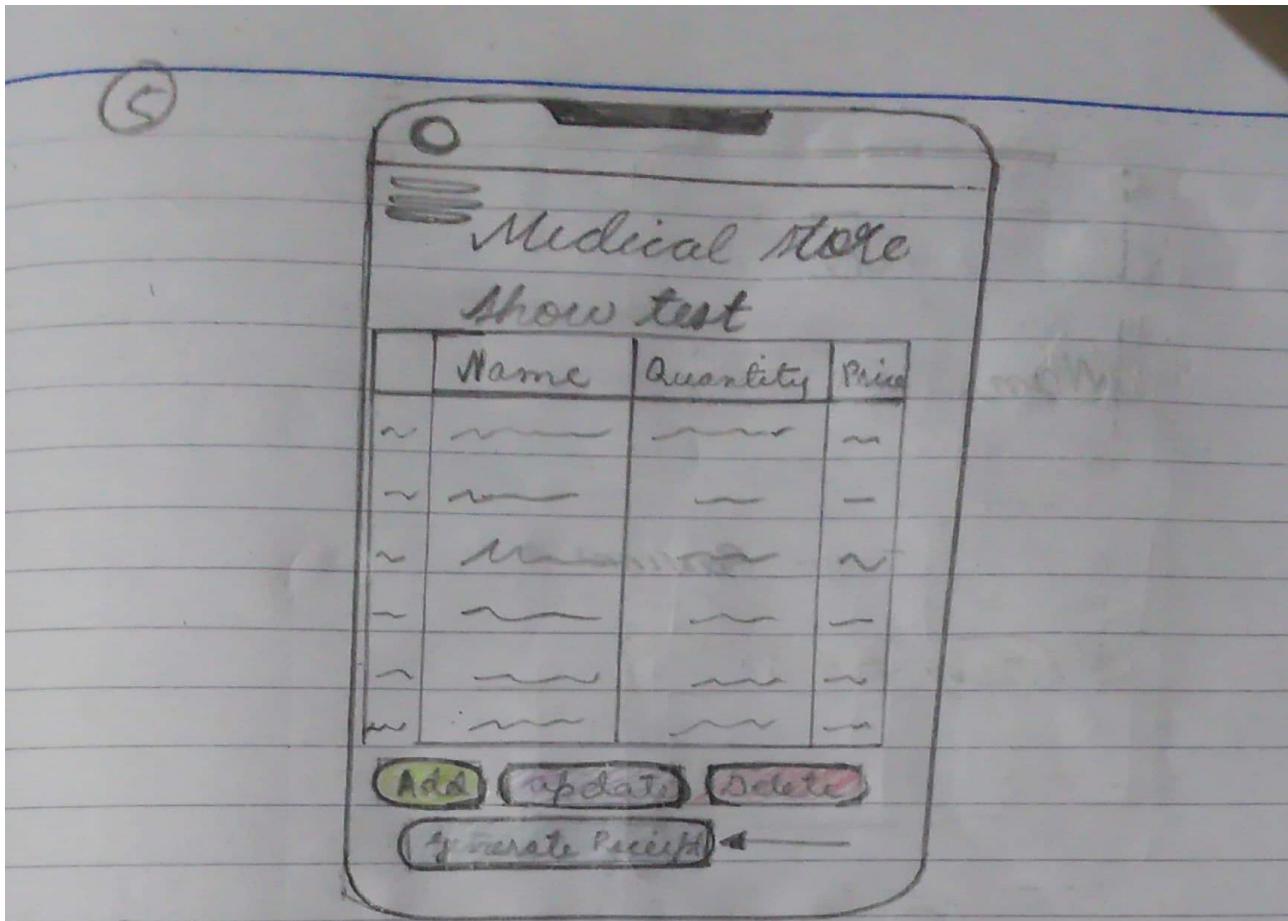
- Below Screen 33: "Dr. Dr. receptionist Can manage these profile by opting update or editing"
- Below Screen 34: "Dr. Dr. Can see the medical report after sending the report by the patient"
- Below Screen 35: "Receptionist - Send the medical report to the particular Patient"
- Below Screen 36: "Dr. Dr. receptionist Can logout after performing the actions!"

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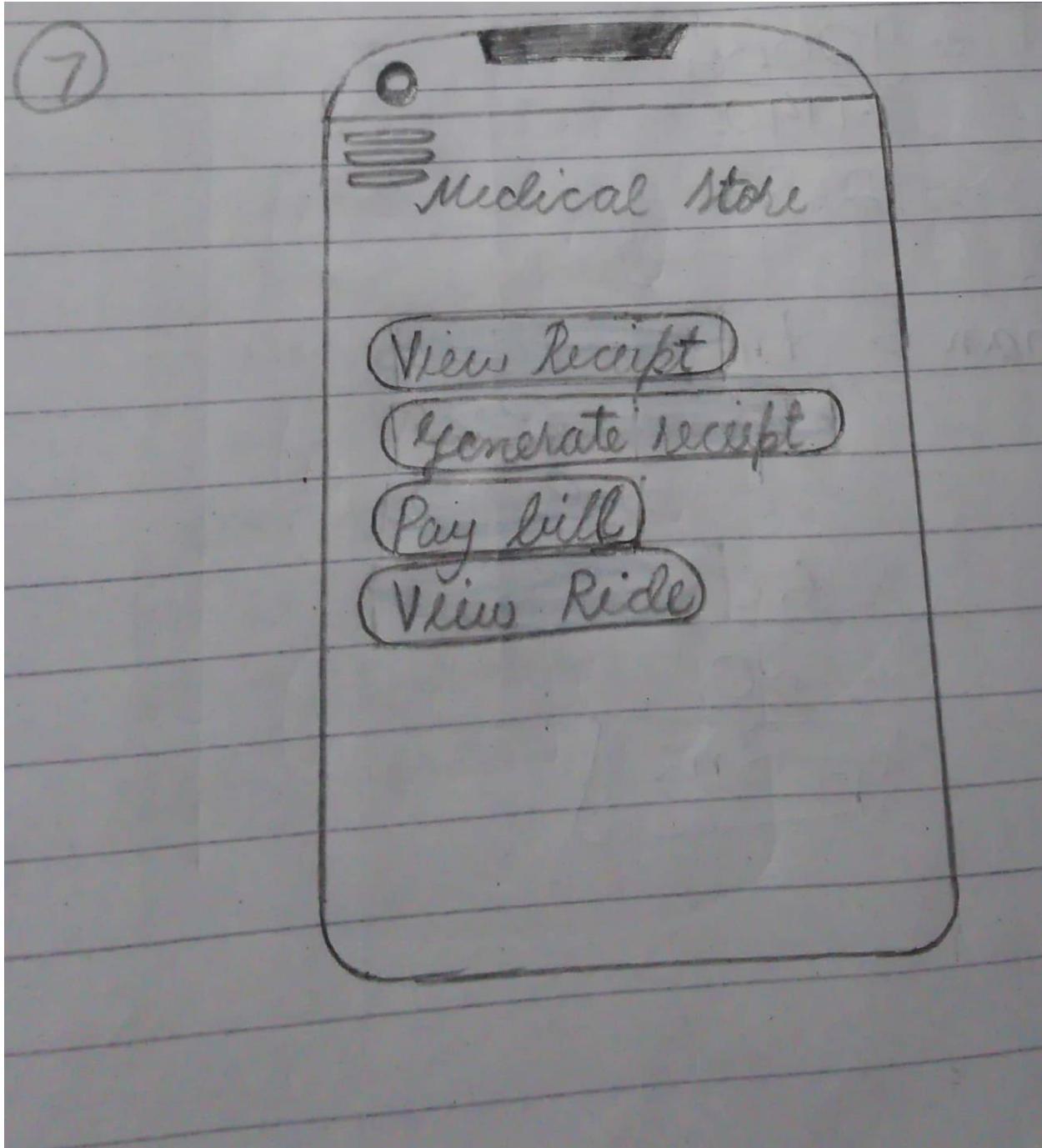
- ProtoType:



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④

Medical Store

Name

Quantity

Price

ADD

⑥

Medical Store

Generate Receipt

Name

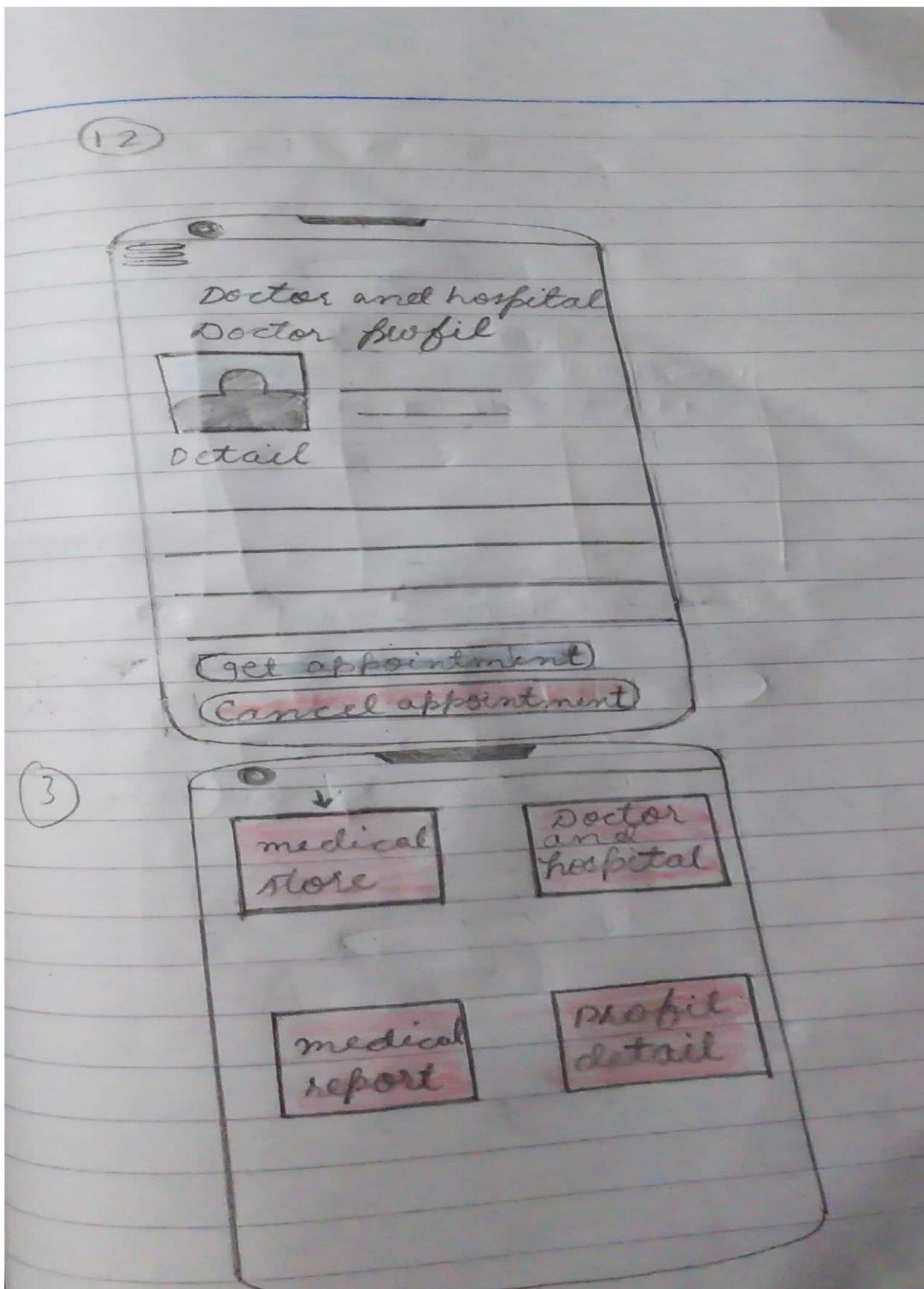
CNIC

items

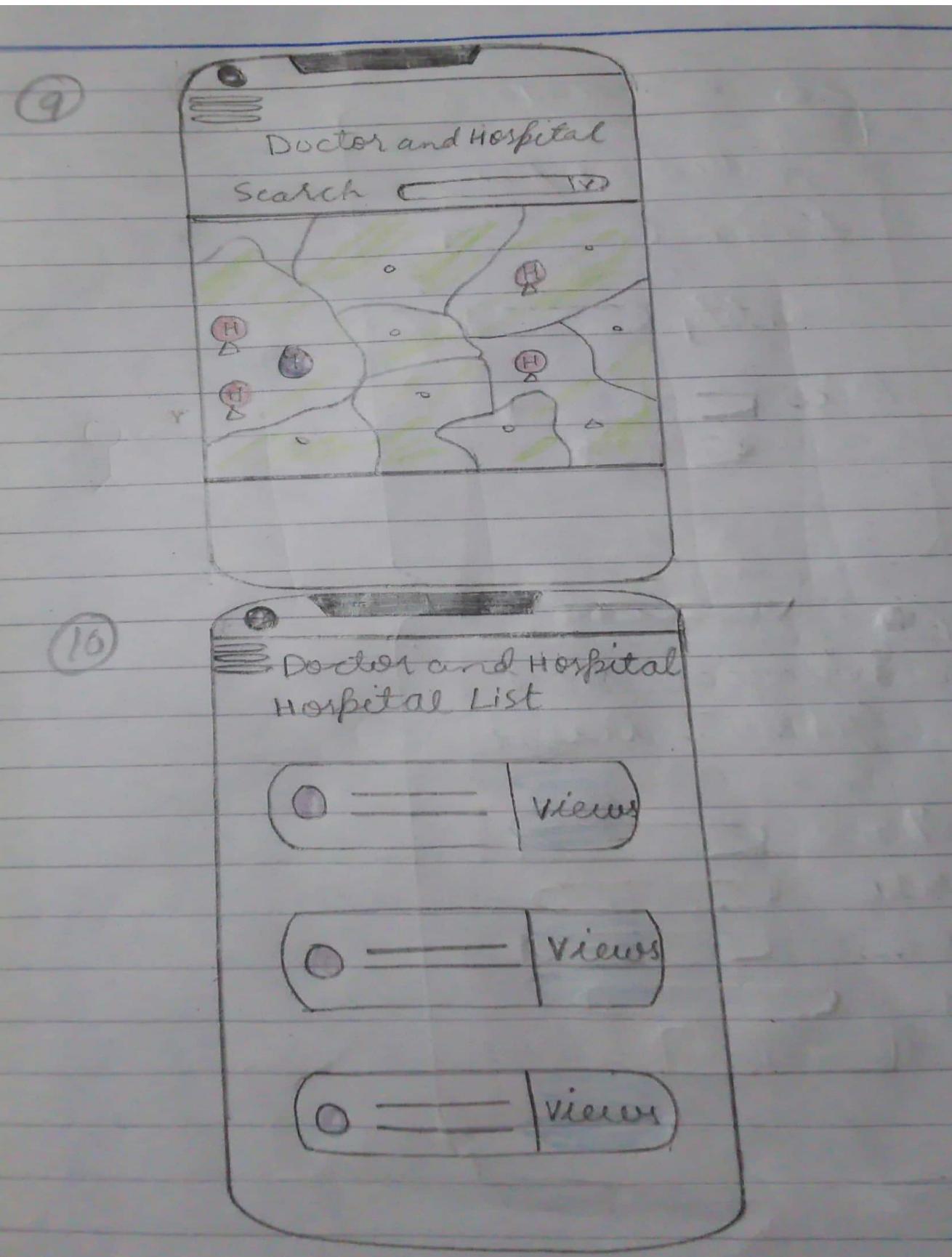
Rs

Generate

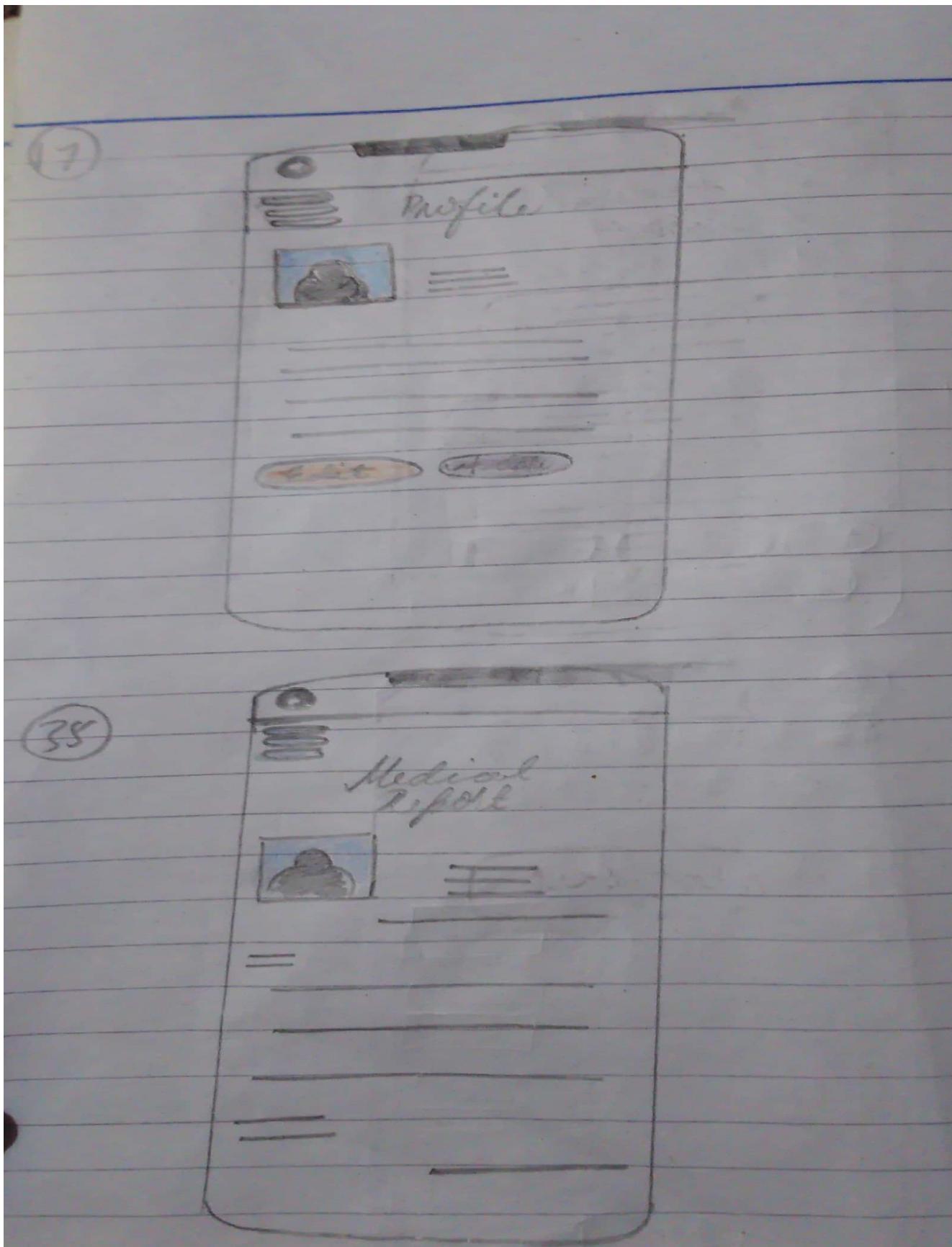
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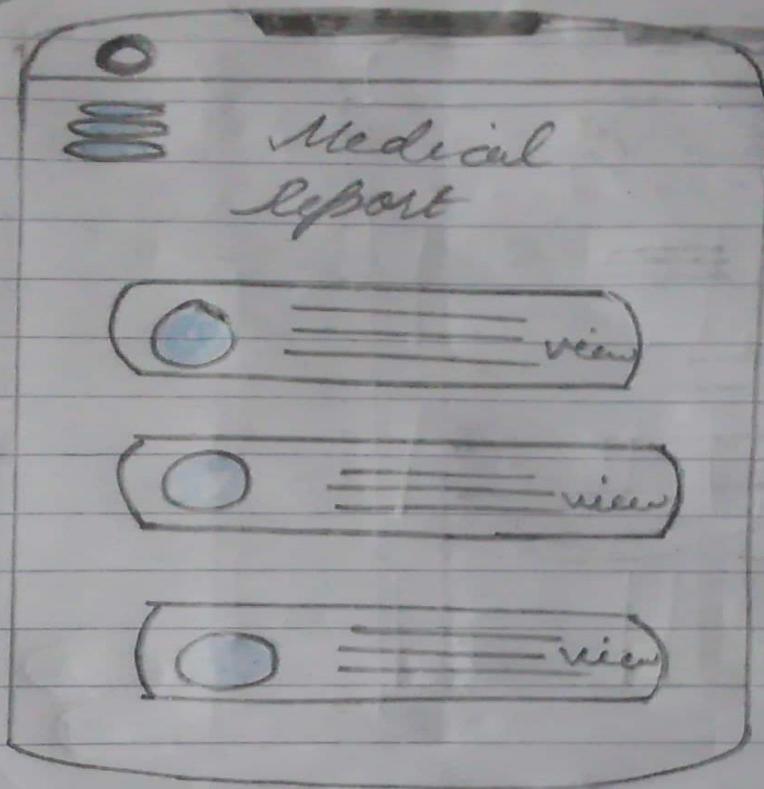


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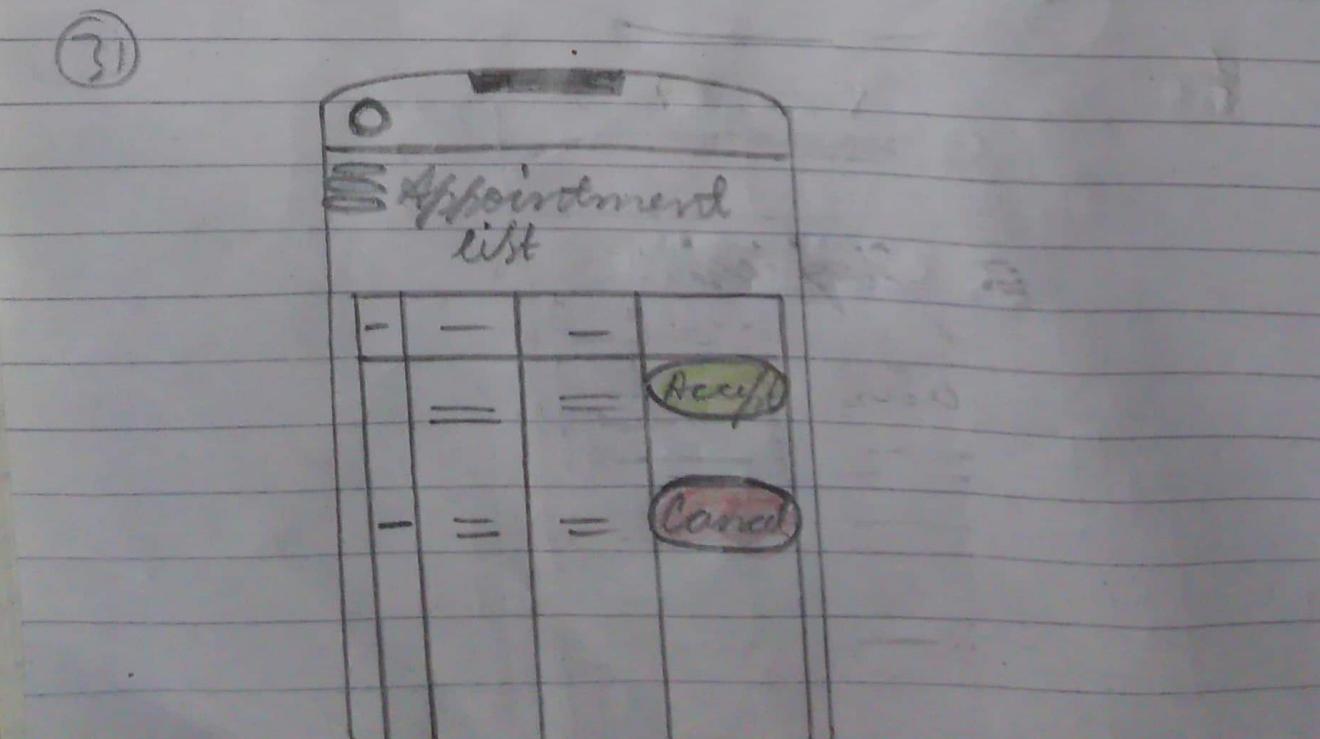
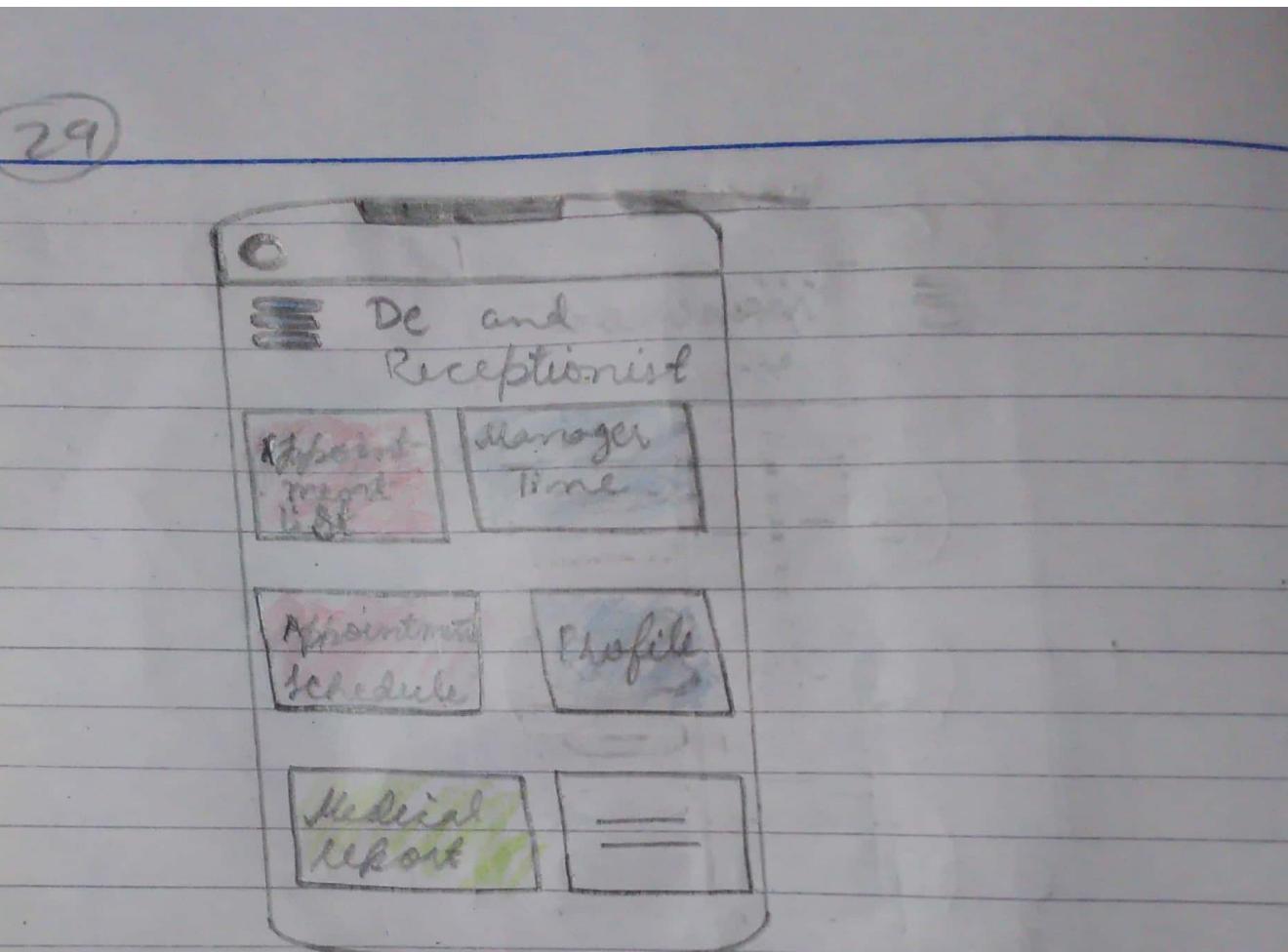
34



35

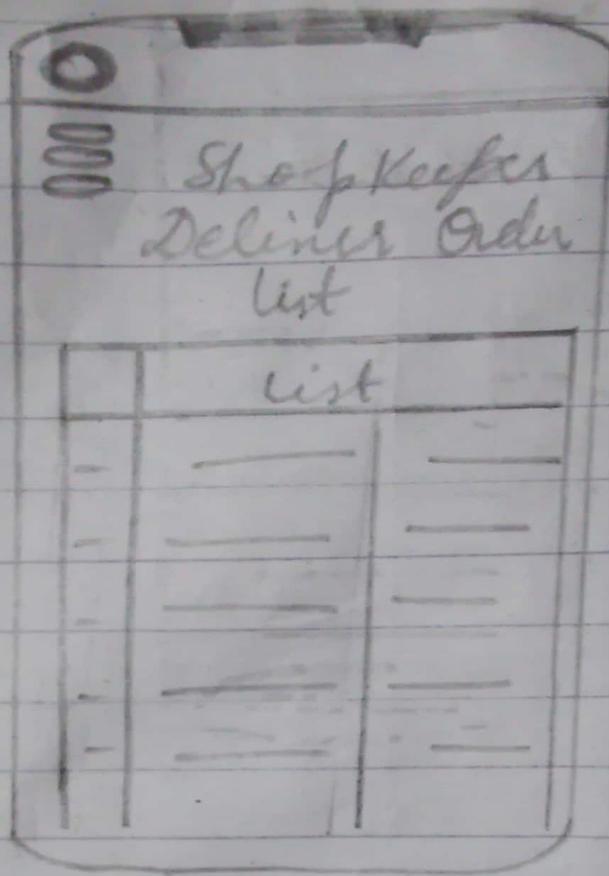


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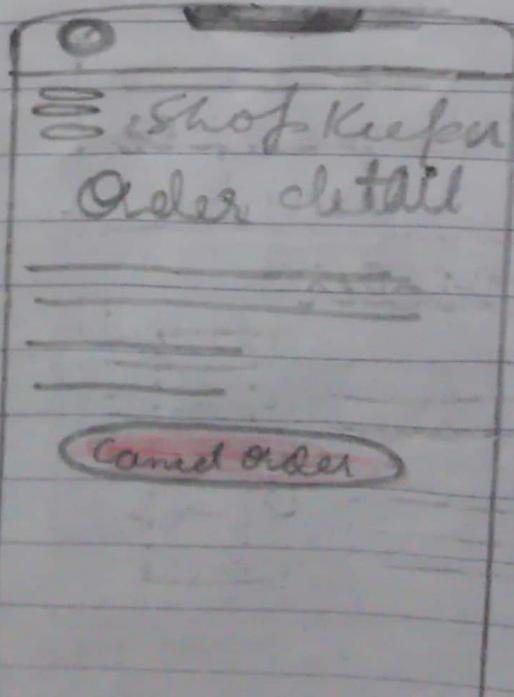


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(26)



(25)



Online Pharmacy Store

(23)

Shop Keeper

Name _____

Quantity _____

update

(24)

Shop Keeper

View Order

Order

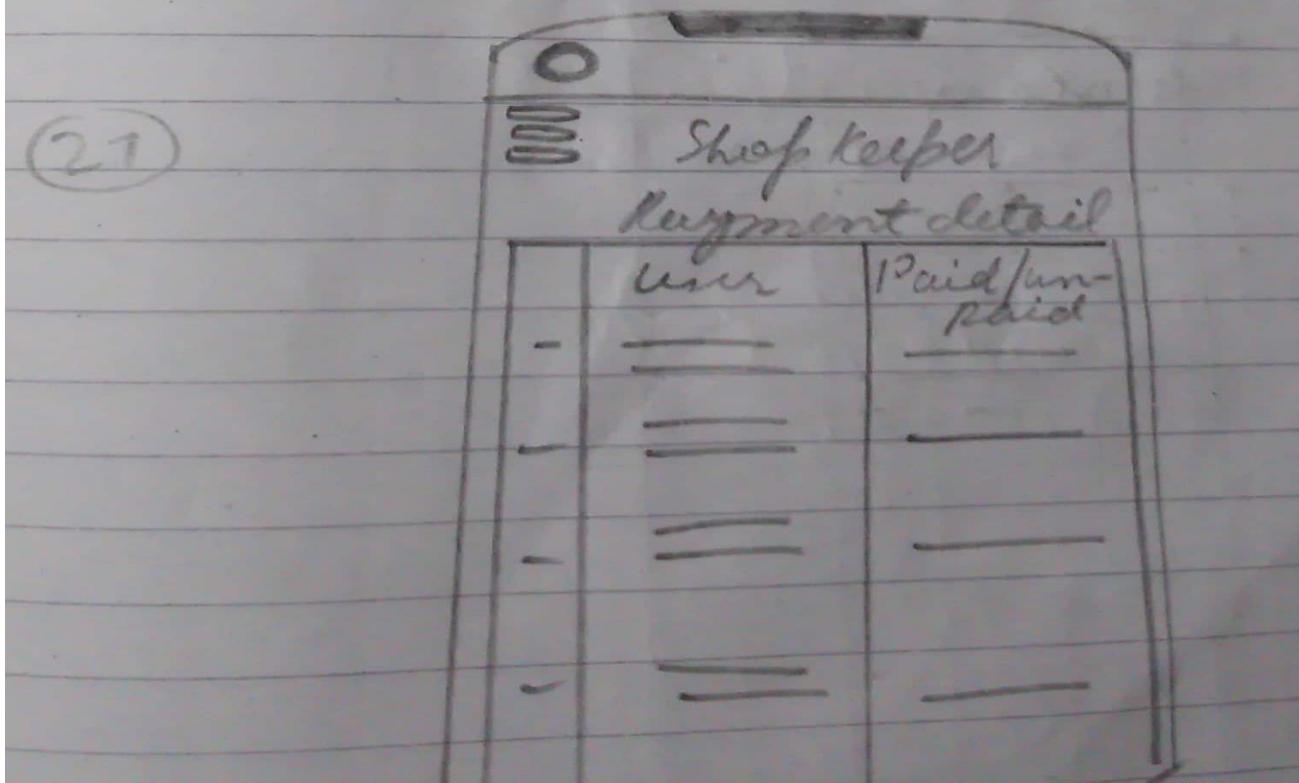
Created

Canceled

Pending

Cancelled

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Online Pharmacy Store

(21)

Shop Keeper

Name _____

Quantity _____

Rate _____

Company _____

ADD

(22)

Shop Keeper

View items

Name	Rate		
		=	update delete
		=	update delete
		=	00

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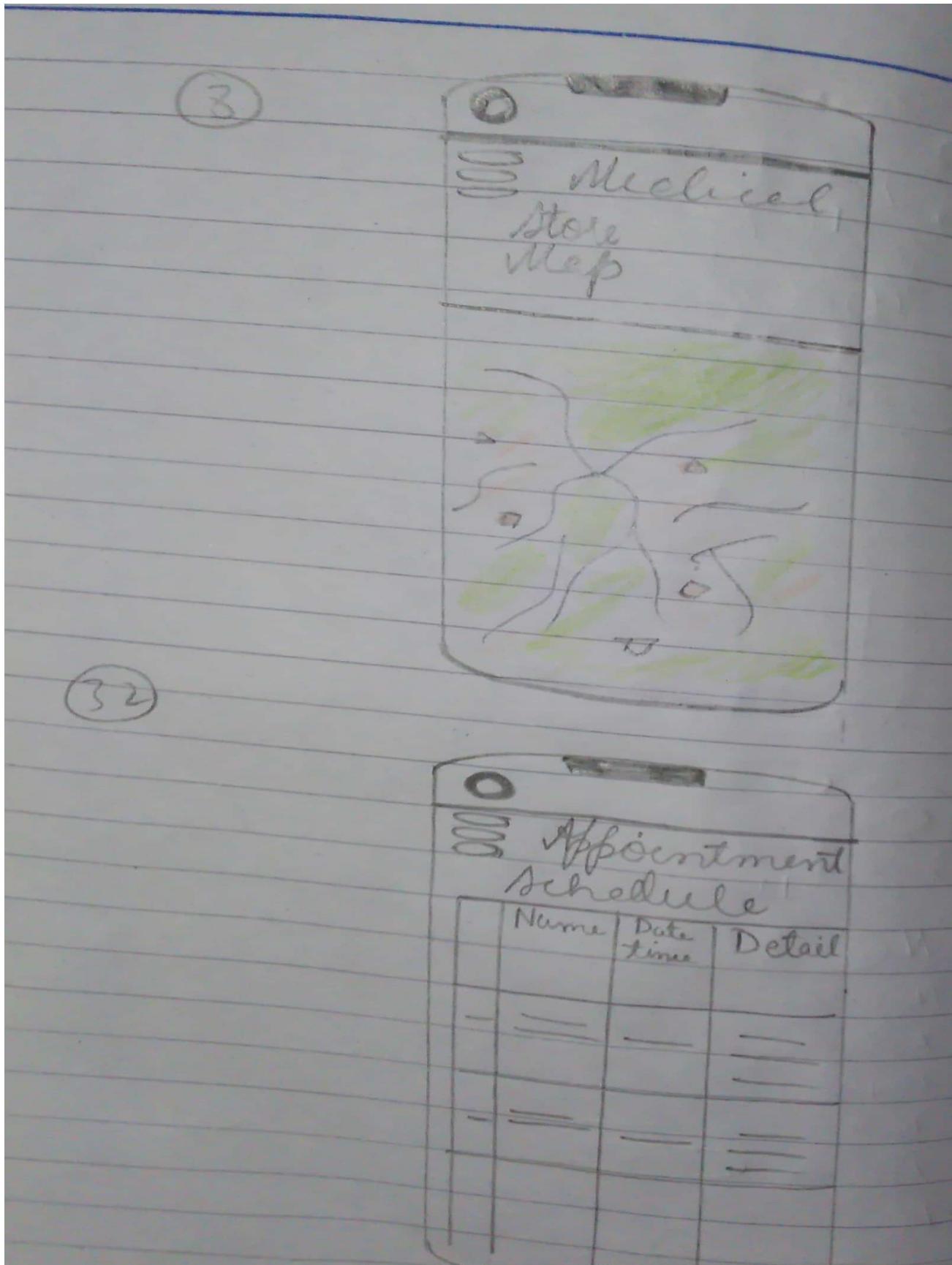
19



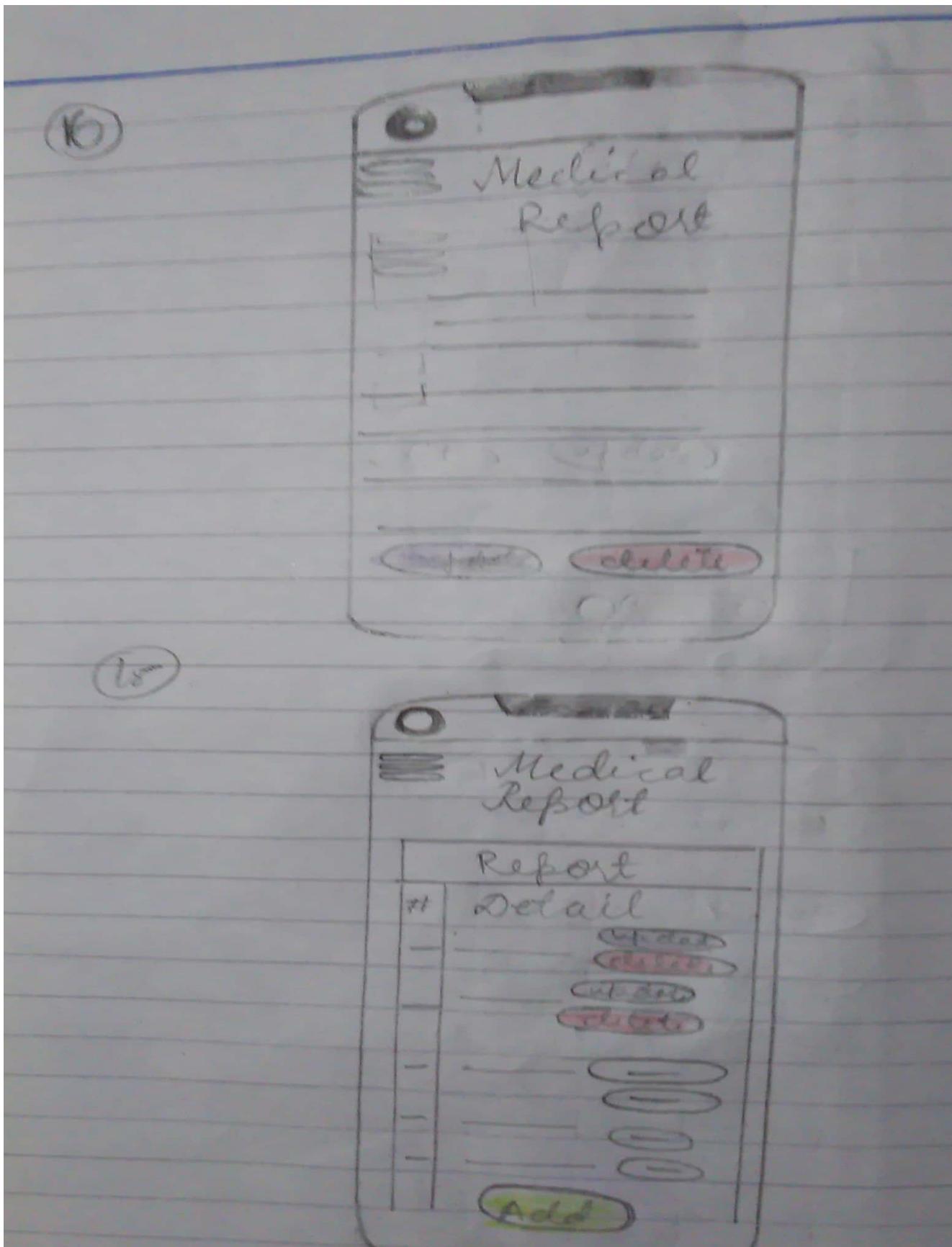
20



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17

Doctor and
Hospital
Appointment
Details

cancel appointment

13

Doctor and
Hospital

Name _____

Number _____

Address _____

Day _____

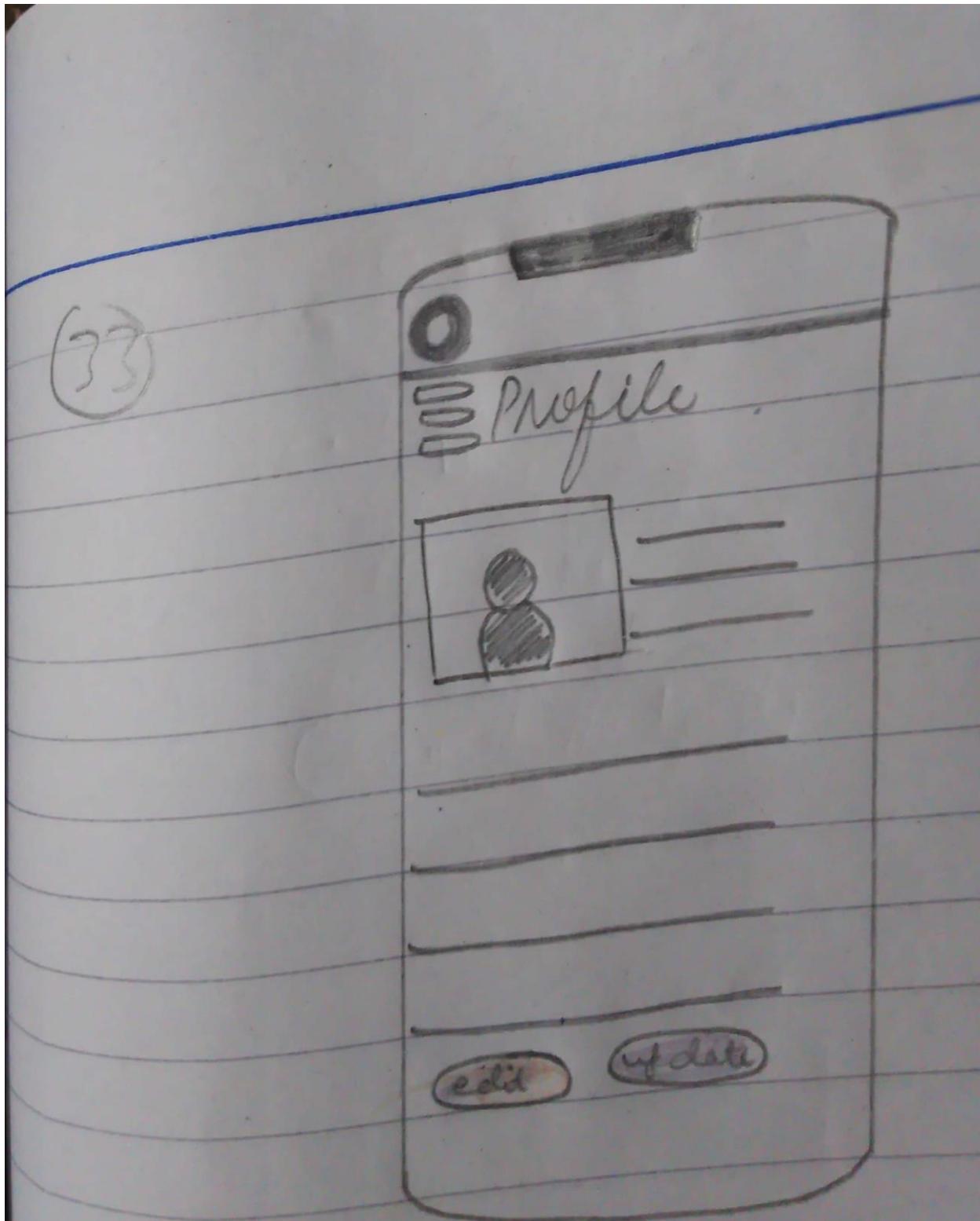
Time _____

Report File # _____

Dr _____

get appointment

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● Personas:

Introduction:

About pharmacy and hospital management system

- We make mobile application for the user to get medicine and also get the near hospital and there doctor appointment for this purpose we make personas to collect the info about our users there activity there need there habits there interest about technology and online sales and communication etc.

Goal:

Our goal is to get the user who is helpfully use our app and get advantages in there daily life and there work simple and also to promote out application because other people also use the app and get advantage and full fill there needs.

Personas



- Samm
- 25 year old
- Live in karachi
- Language English urdu

Back Ground

- He is a student in kmdc and he also have pharmacy store

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- He love to play circket and also want to make there pharmacy top in Karachi city
- He work hard and manage all work on time and love to learn new things
- He also have the ability to suggest the medicine to there patient according to there issues.

Skills

- He have skill to provide best suggestion to there customer
- He can make medicine different combination for different purpose and provide it to there customers.
- He work had on there studies and the skill is he is a dentist almost there study completed

Painpoints

- Want to get medicine online but there is no app to this
- Want to get secure payment system
- Want to get delivery on time

FeedBack

- Increase the response time of delivery
- Add more option for different medicine
- Add doctors categories

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Improvement:

After getting the feedback and painpoints we can check our deliveryboy timing and also add the categories of doctor and add medicine categories.

Personas



- Muhib (user)
- 21 year old
- Live in karachi
- Language English urdu
- Student parkiet

Back Ground:

- He is a student in pafkiet in bscs
- He love to play games
- He work hard on programming and programing language is c#

Skills

- He have skills to make games
- He can solve the speed programing questions
- He have the ability to work on both c# and python

Painpoint

- He has not much experience but he can easily manage there work on app
- Not to much but new general or basic technology can get easily and quickly

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- he like simple designing and updated design according to new trends.

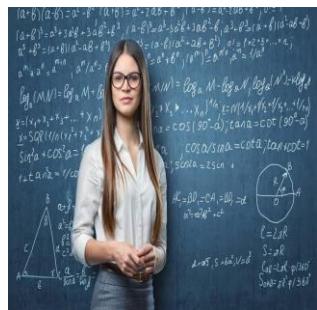
Improvements:

We can help him to provide the easy interface and also set easy payment system and also add the easy ui to understand the system

Feedback

- Easy interface to get appointment easily
- Easy medicine add process
- Easy payment system

Personas



Name: Susan

Gender: Female

Lives in: Beijing

Occupation: Teacher

Background Knowledge:

Susan is a university teacher. She lives in Beijing with her family including her parents and two sisters. She likes technology a lot. Over the summer, she received a tablet from her parents on her convocation ceremony. She adores the tablet because it lets her stay online wherever she goes. She likes the touch screen, but most applications are not notably easier to use than regular versions of the application are. Her hobbies include playing with pets and doing scientific research.

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Skills:

- She is great in maths
- She also have skills to teach programming
- She also expert in physics

Goal:

Goal is to get doctors appointment easily because she is not have much time to get appointment to go to the hospital she want to get appointment at home.

Painpoints:

- get medicine report on time
- get appointment according to there timing
- get online doctor meeting

Feedback:

- need to add doctor online meeting other services is good
- services are good
- nicely done meeting appointment.

Improvement:

we start also online doctor meeting and appointments and also give timing option according to there perception . now we also add some other things line fast delivery and fast response to help out clinets.

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Personas



- junaid
- 33 year old
- Live in karachi
- Language English urdu

Back Ground

- He is a student in kmdc and he also have pharmacy store
- He love to play circket and also want to make there pharmacy top in Karachi city
- He work hard and manage all work on time and love to learn new things
- He also have the ability to suggest the medicine to there patient according to there issues.

Skills

- He have skill to provide best suggestion to there customer
- He can make medicine different combination for different purpose and provide it to there customers.
- He work had on there studies and the skill is he is a dentist almost there study completed

Painpoints

- Want to get medicine online but there is no app to this
- Want to get secure payment system
- Want to get delivery on time

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FeedBack

- Increase the response time of delivery
- Add more option for different medicine
- Add doctors categories

Improvement:

After getting the feedback and painpoints we can check our diliveryboy timing and also add the categories of docter and add medicine categories.

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- **Cognitive Walkthrough:**

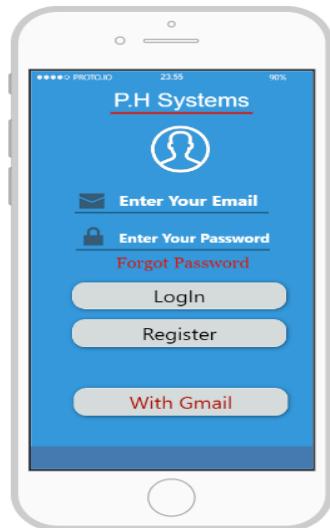
- **List of action to buy medicine**

1. First to login to the system
2. Select the medical store
3. Add the medicine
4. Generate receipt
5. Pay the bill

- **Cognitive walkthrough ask the question for all the above action**

- a) Will the customer do this action.
- b) Is there control for the action is visible
- c) Is the strong link between the action and control
- d) Is feedback appropriate

1. First to login to the system



- a) Yes after entering the right email and password
- b) Yes log in button is there to perform the action
- c) Yes after verification it can login
- d) Yes as the action take into another screen

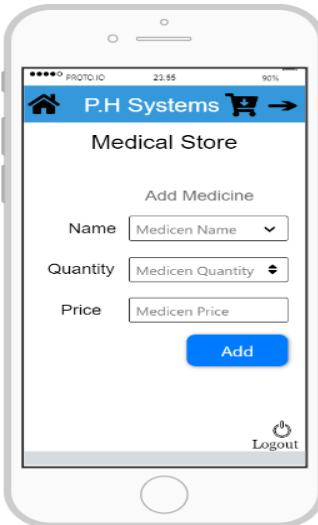
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2. Select the medical Store



- a) Yes after log in list of medical store show
- b) Yes go in button is there to perform the act
- c) Yes strong relation between them
- d) Yes as the action take into another screen

3. Add the medicine



- a) Yes after selecting the medical store
- b) Yes add button to add the medicine
- c) Yes strong relation between to perform the action
- d) Yes as the action take into another screen

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4. Generate receipt



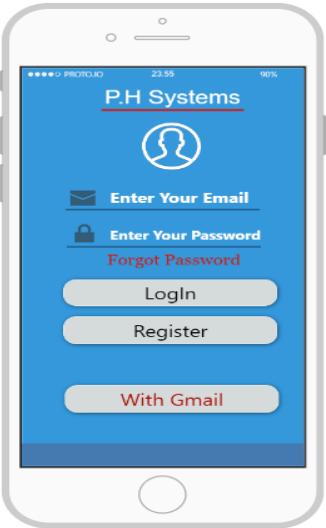
- a) Yes after adding the medical it can do this action
- b) Yes generate button to add the medicine
- c) Yes strong relation between to perform the action
- d) Yes as the action take into another screen

5. Pay bill



- a) Yes after click on generate receipt button do this action
- b) Yes pay bill button to pay the bill
- c) Yes strong relation between to perform the action
- d) Yes as the action take into another screen

Online Pharmacy Store

- **List of action to add medicine to the store**
 1. First to login to the system
 2. Add the medicine to the list
 3. Check list the medicine is added or not
 - **Cognitive walkthrough ask the question for all the above action**
 - a) Will the customer do this action.
 - b) Is there control for the action is visible
 - c) Is the strong link between the action and control
 - d) Is feedback appropriate
1. **First to login to the system**
- 

a) Yes after entering the right email and password
b) Yes log in button is there to perform the action
c) Yes after verification it can login
d) Yes as the action take into another screen

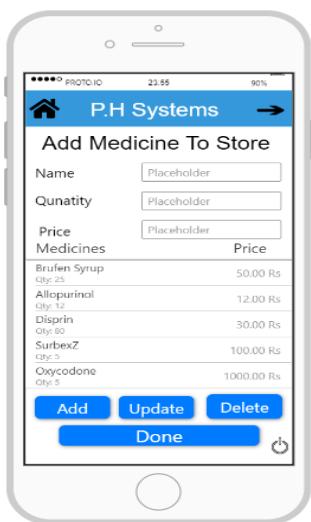
Online Pharmacy Store

2. Add the medicine



- a) Yes after login to the system
- b) Yes add button to add the medicine
- c) Yes strong relation between to perform the action
- d) Yes as the action take into another screen

3. Check list the medicine is added or not

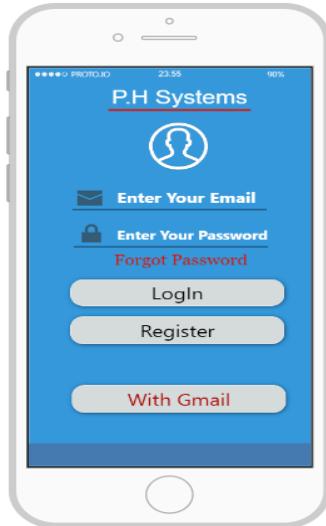


- a) Yes after adding the medicine we can do this
- e) Yes done button to check this
- f) Yes strong relation between to perform the action
- g) Yes as the action take into another screen

- **List of action to get appointment of the doctor**
 1. First to log in to the system
 2. Then select the doctor from list
 3. Then get appointment
- **Cognitive walkthrough ask the question for all the above action**
 - a) Will the customer do this action.
 - b) Is there control for the action is visible
 - c) Is the strong link between the action and control
 - d) Is feedback appropriate

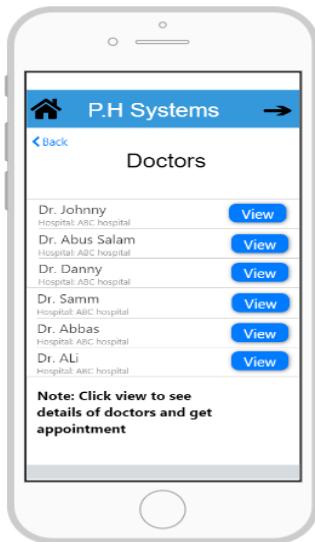
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1. First to login to the system



- a) Yes after entering the right email and password
- b) Yes log in button is there to perform the action
- c) Yes after verification it can login
- d) Yes as the action take into another screen

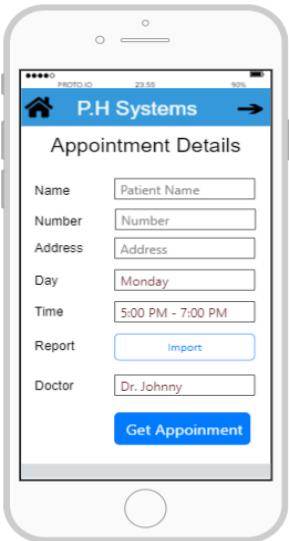
2. Select the doctor form list



- a) Yes after log in see the list of the doctors
- b) Yes view button is there to perform the action
- c) Yes strong relation to perform the action
- d) Yes as the action take into another screen

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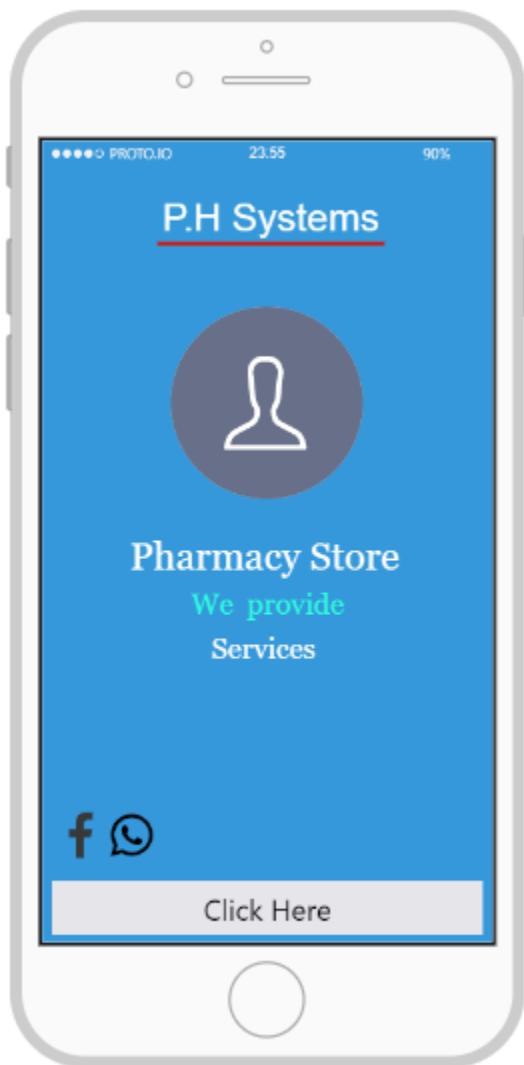
3.Get the appointment



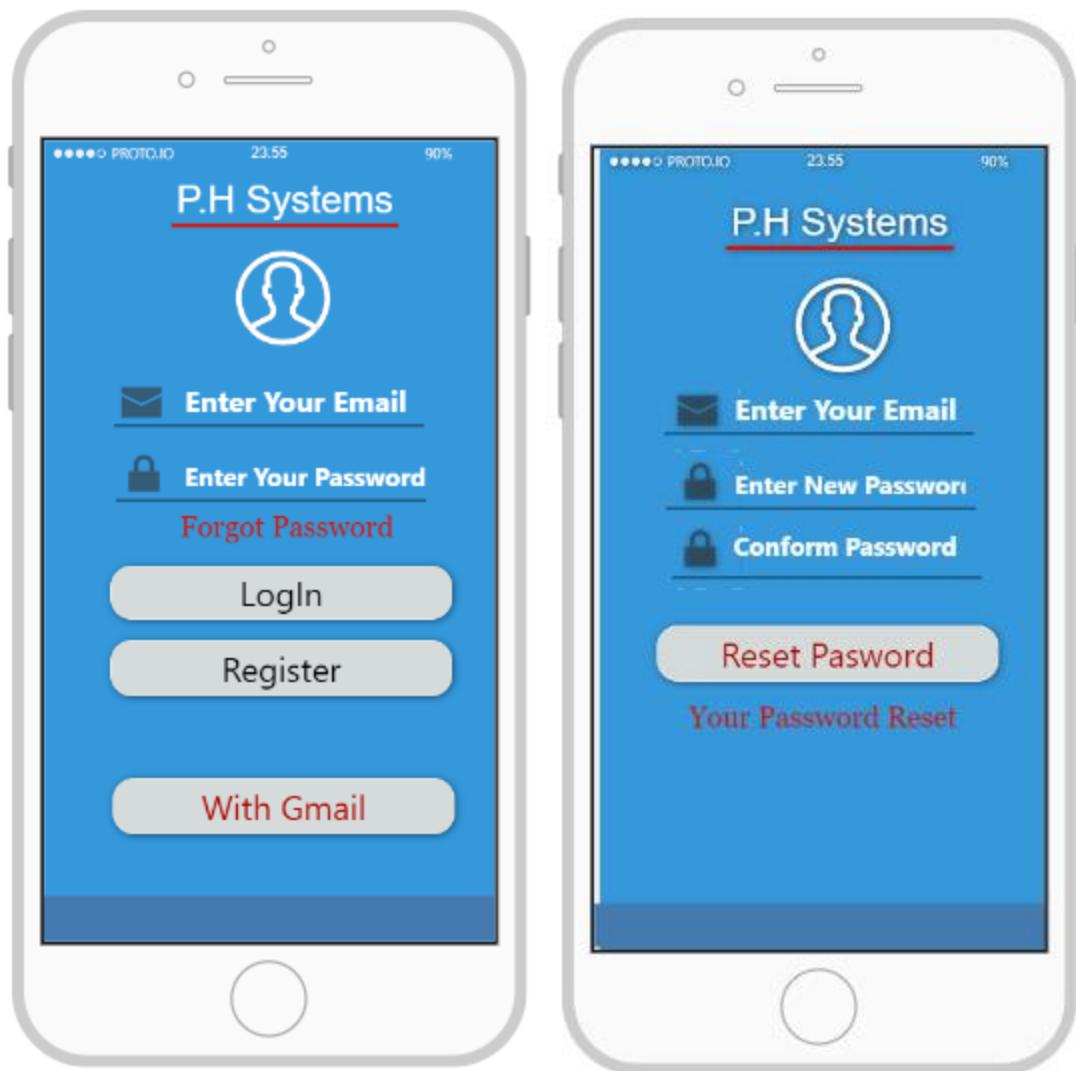
- a) Yes selecting the list of the doctors
- b) Yes get appointment button is to perform the action
- c) Yes string relation to perform the action
- d) Yes as the action take into another screen

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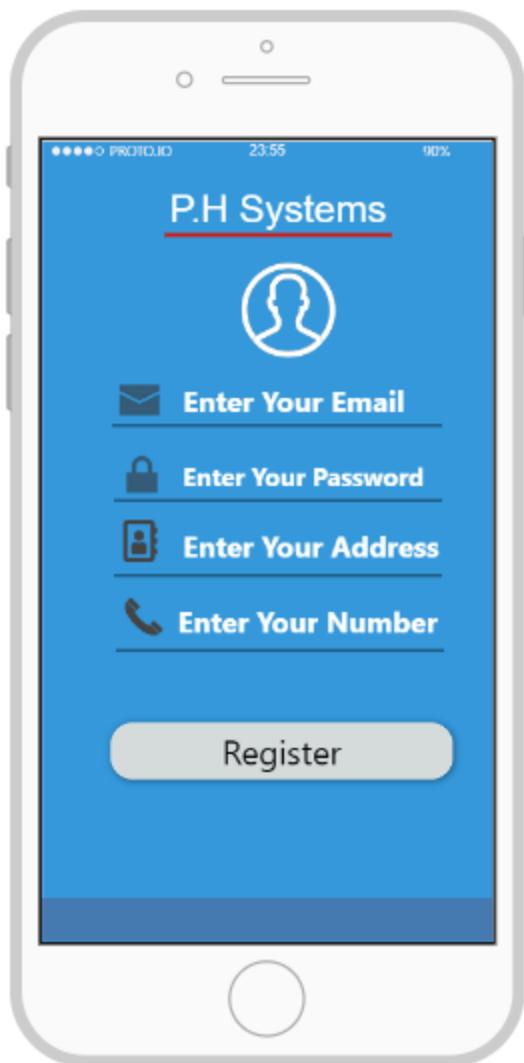
• Screen Shorts



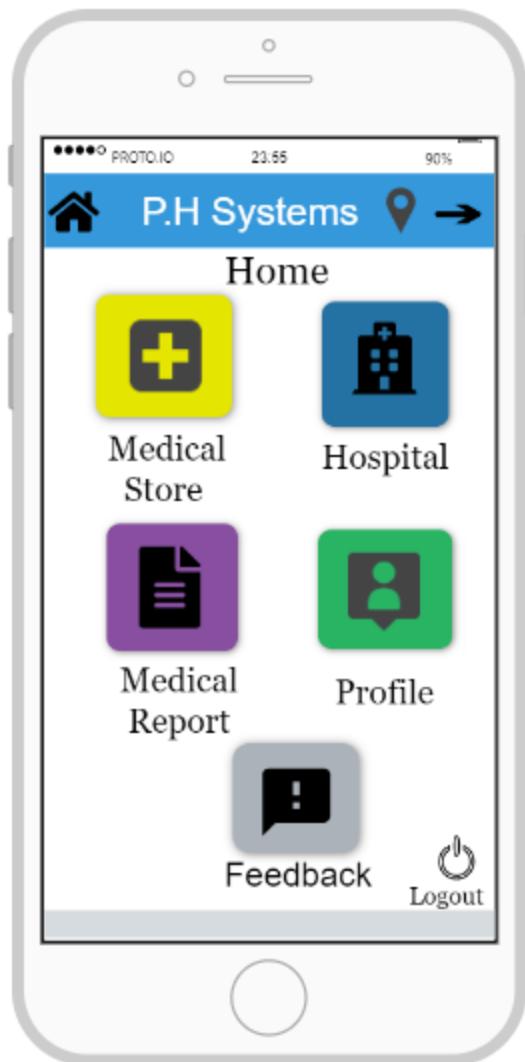
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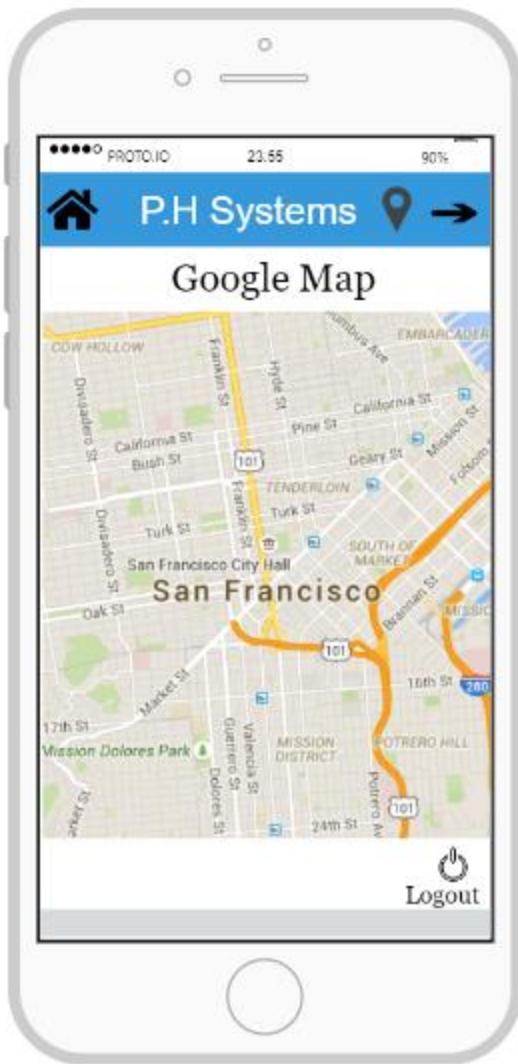
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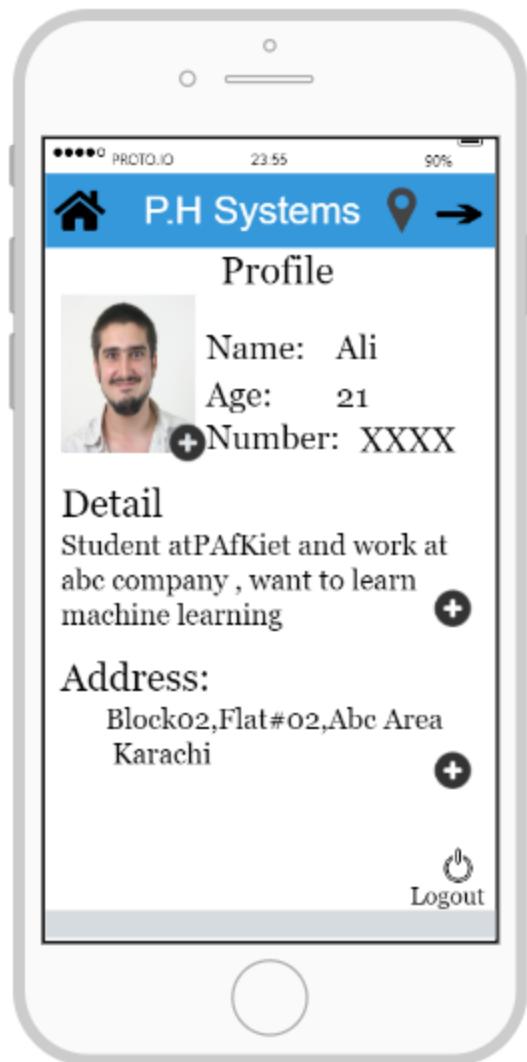
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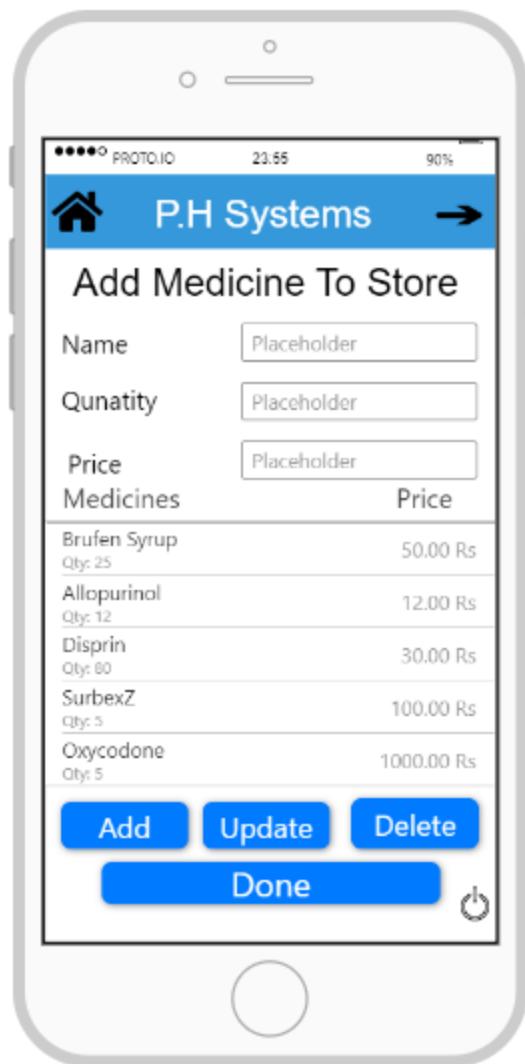
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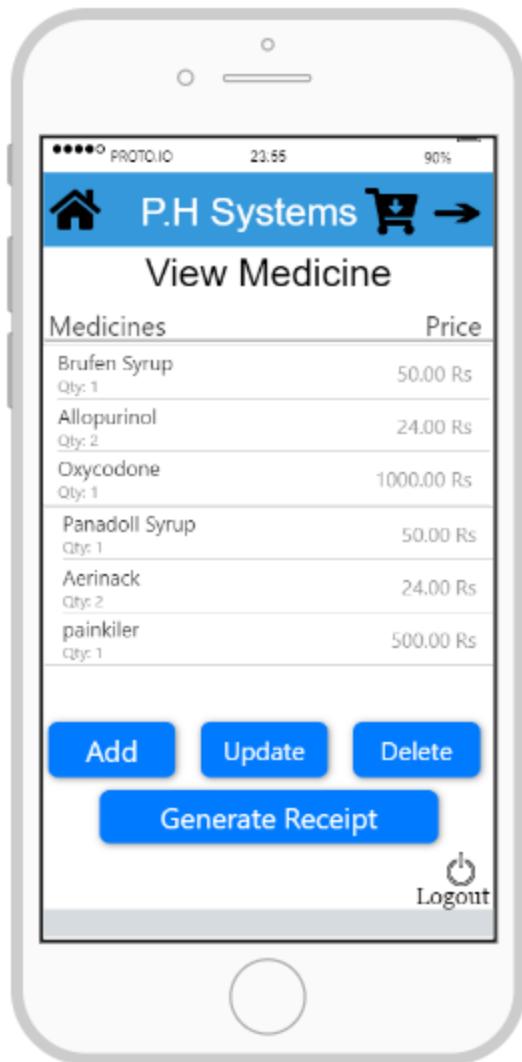
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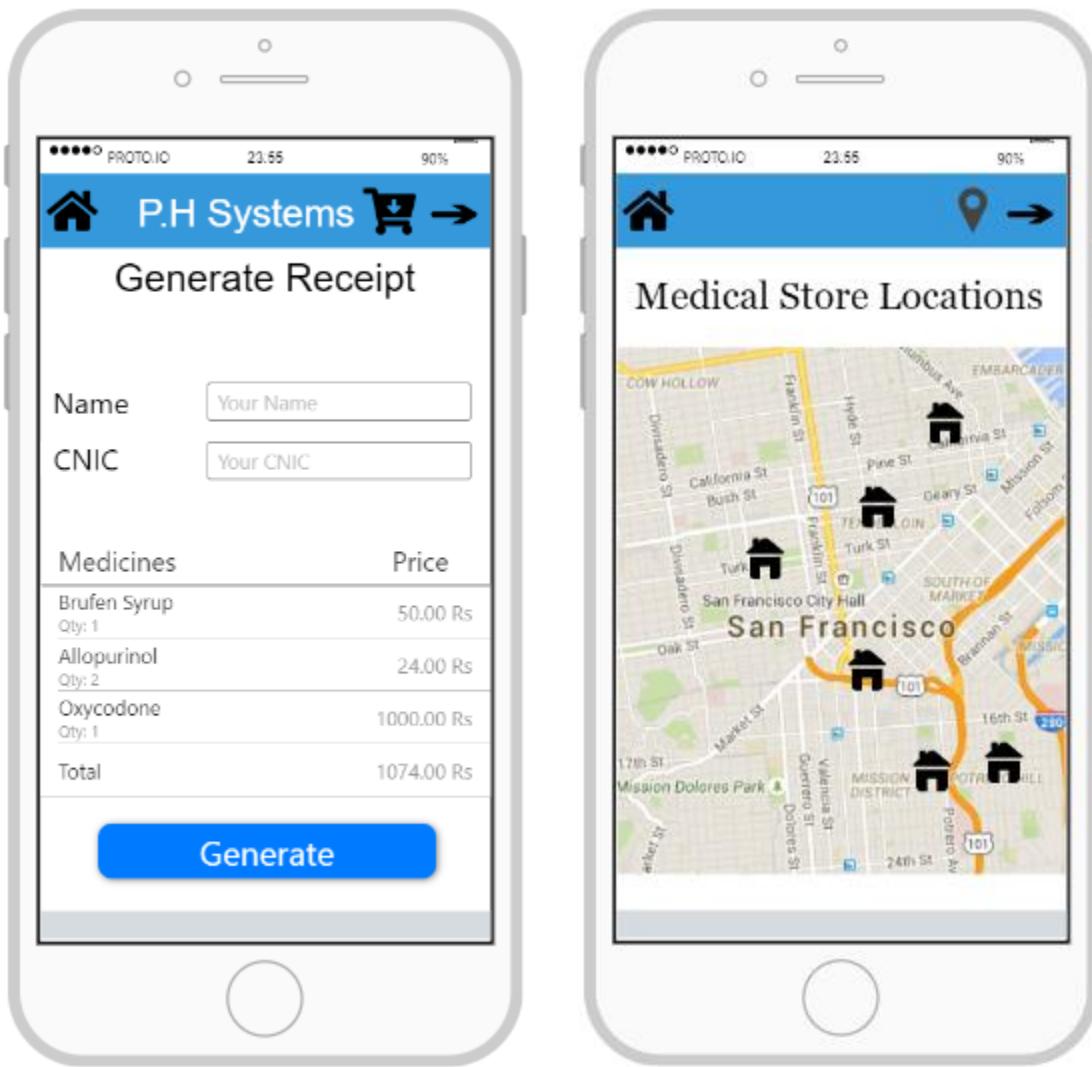
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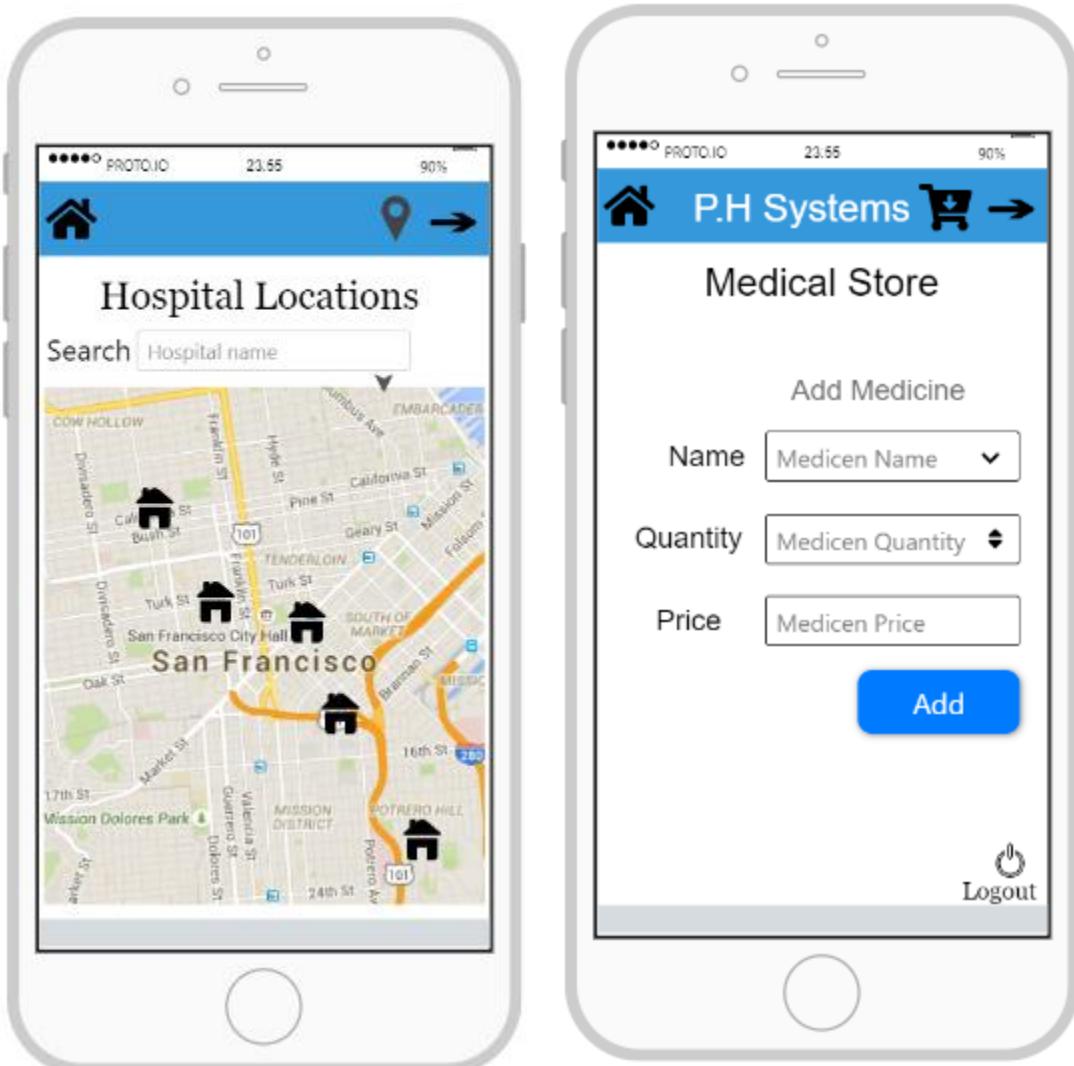
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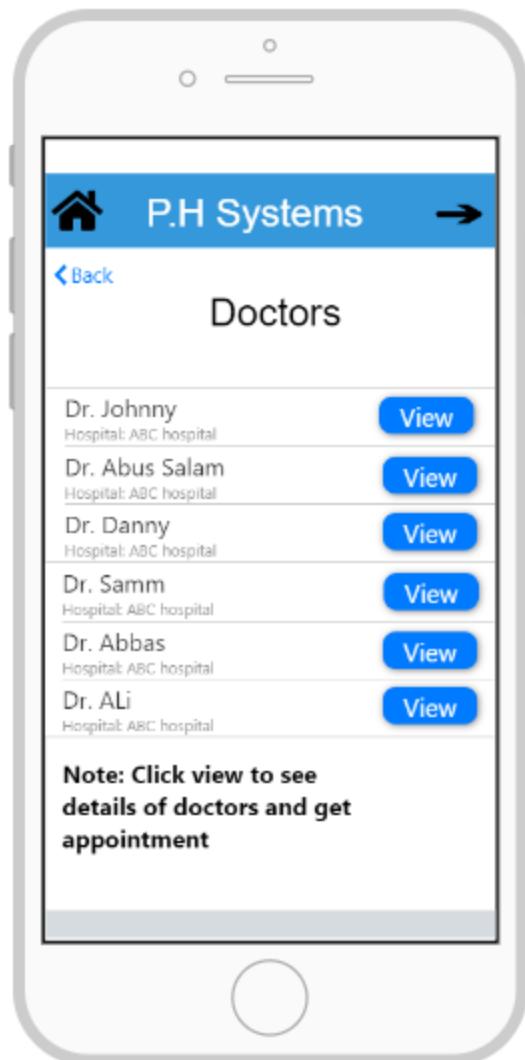
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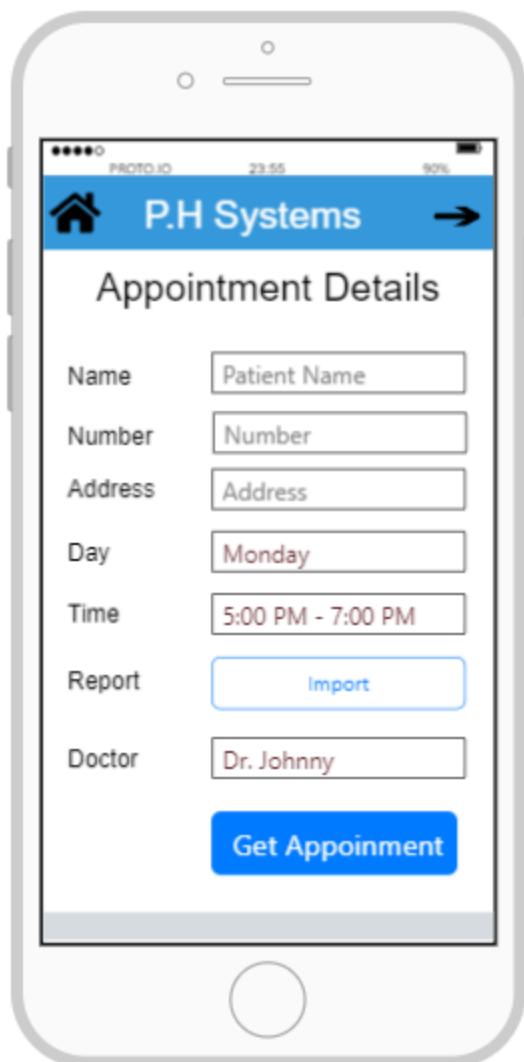
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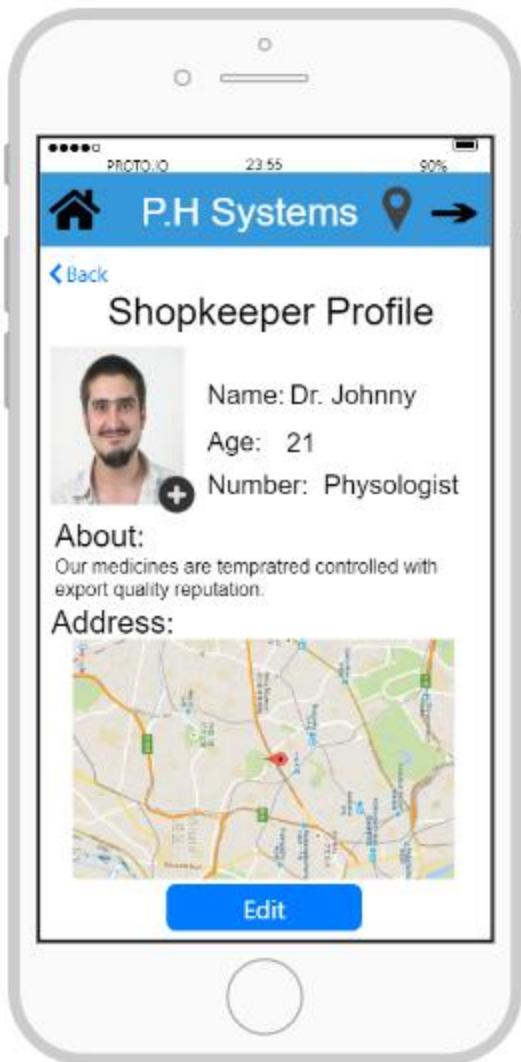
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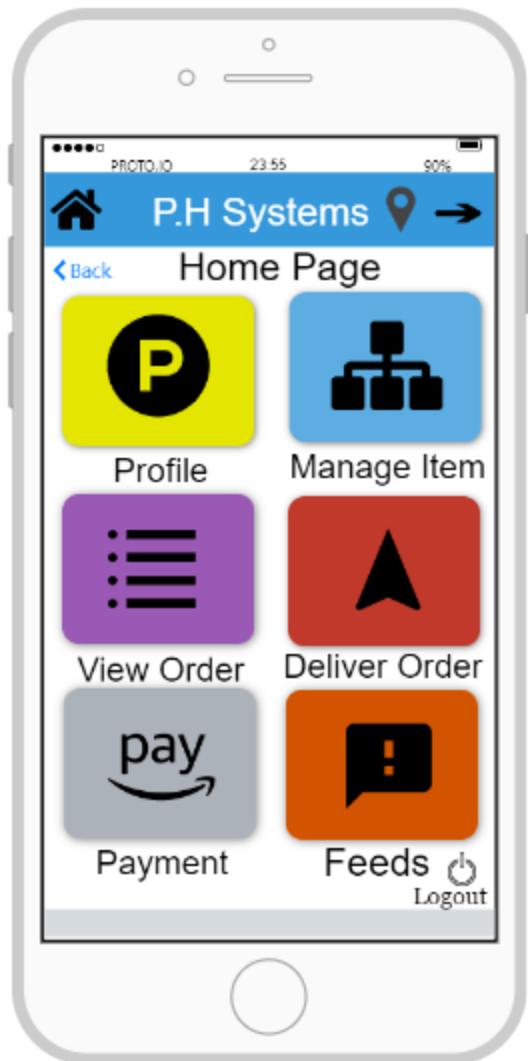
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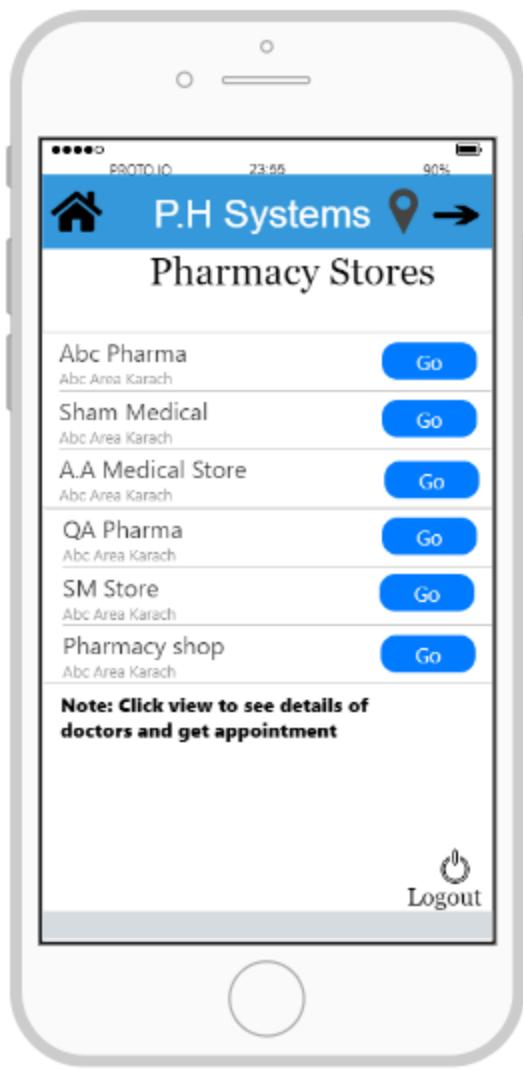
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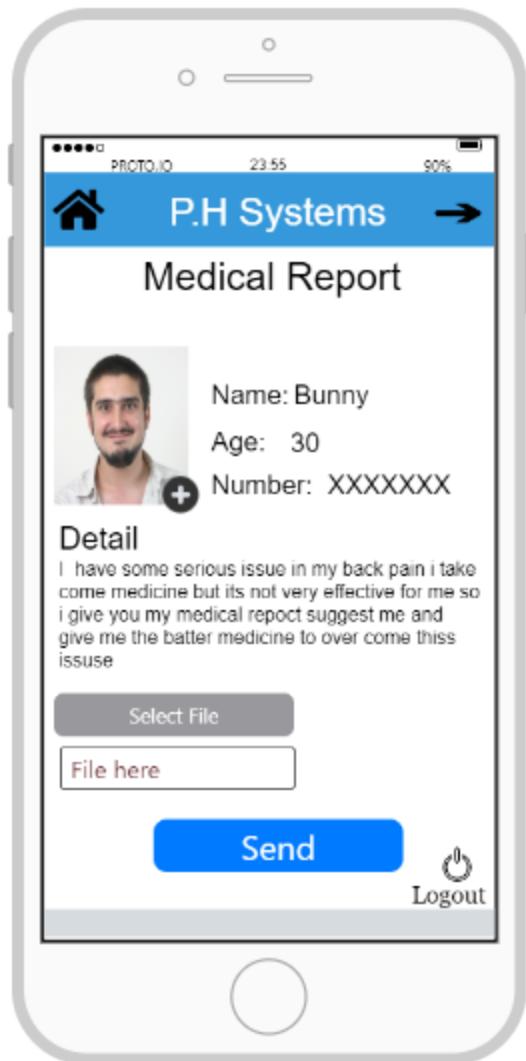
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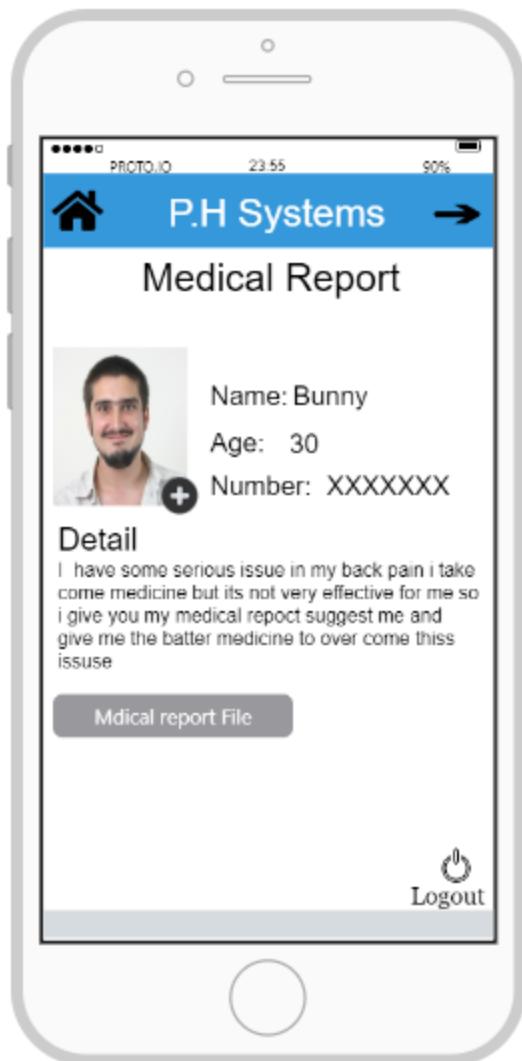
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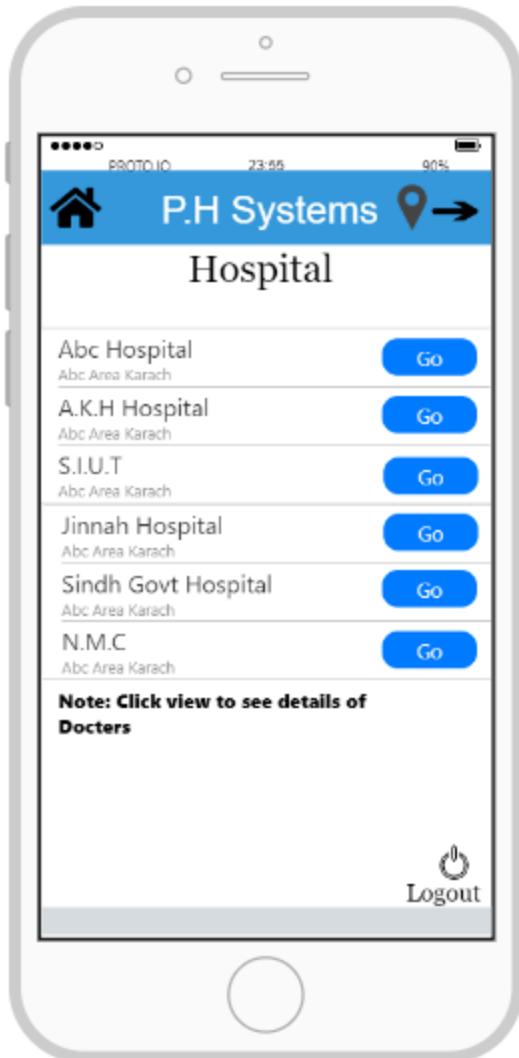
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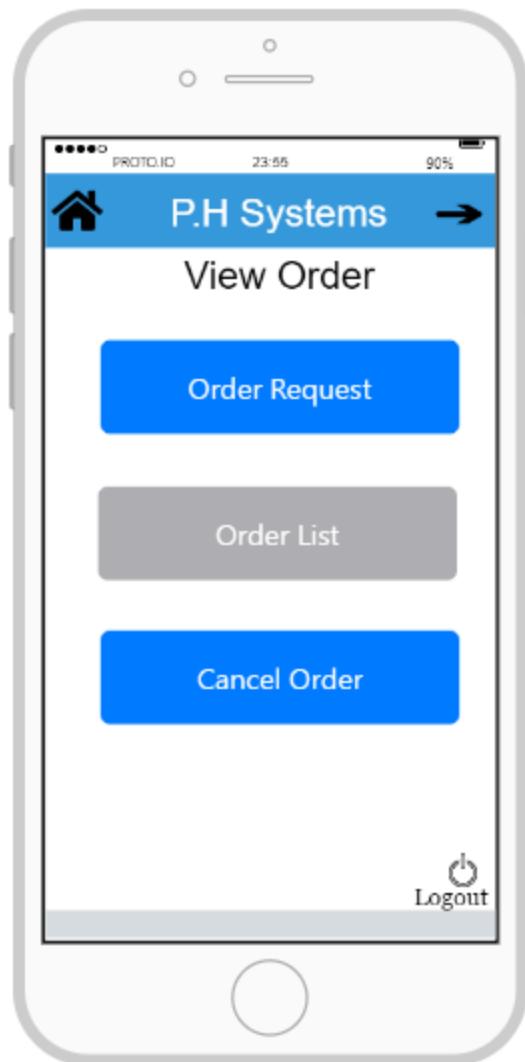
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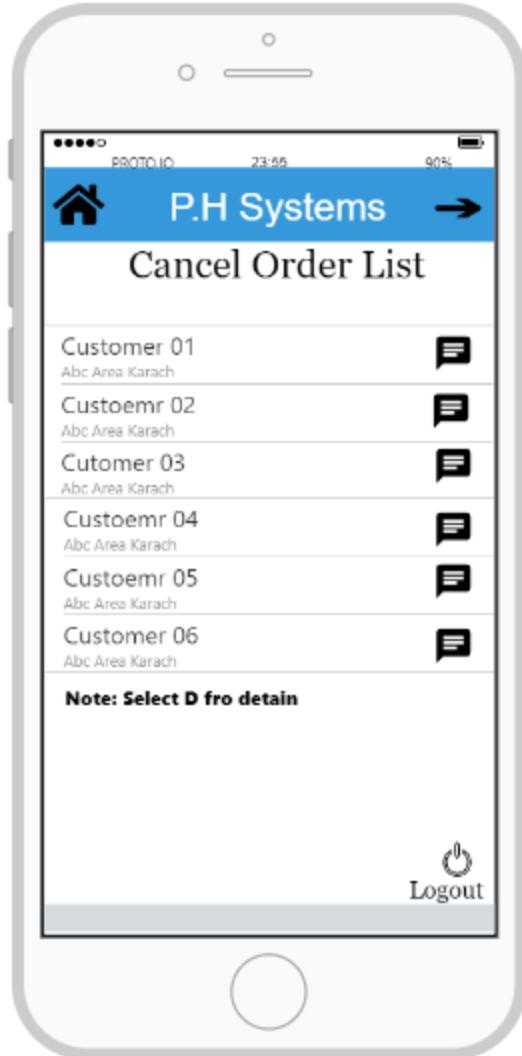
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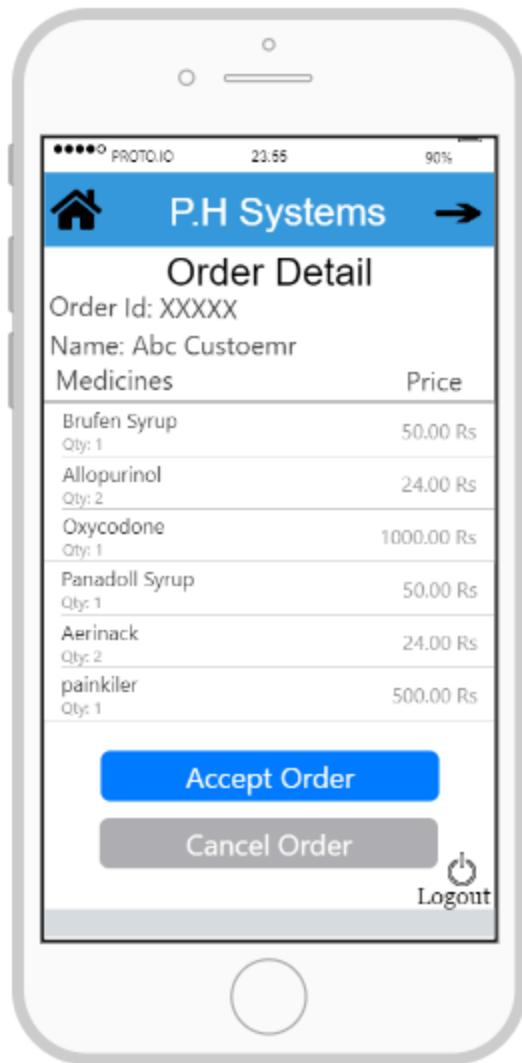
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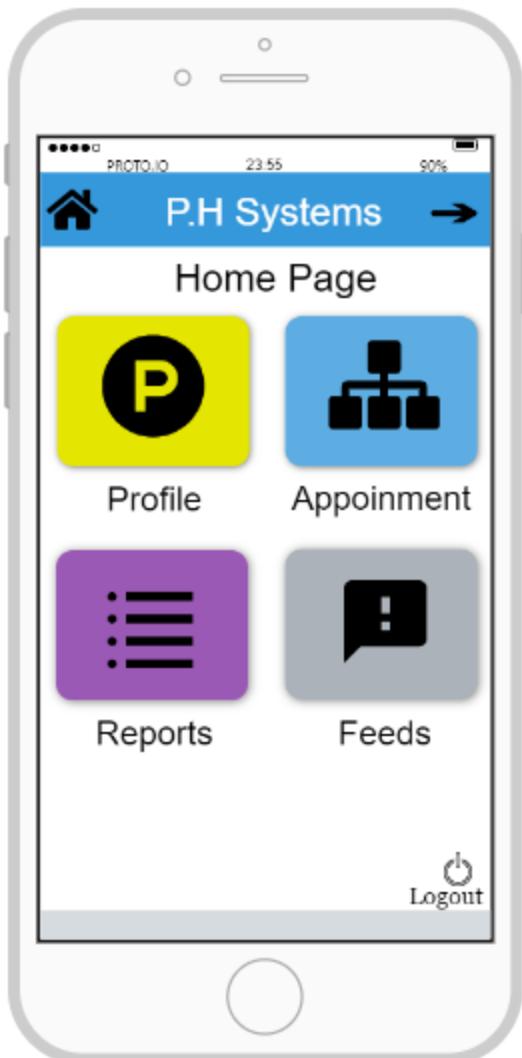
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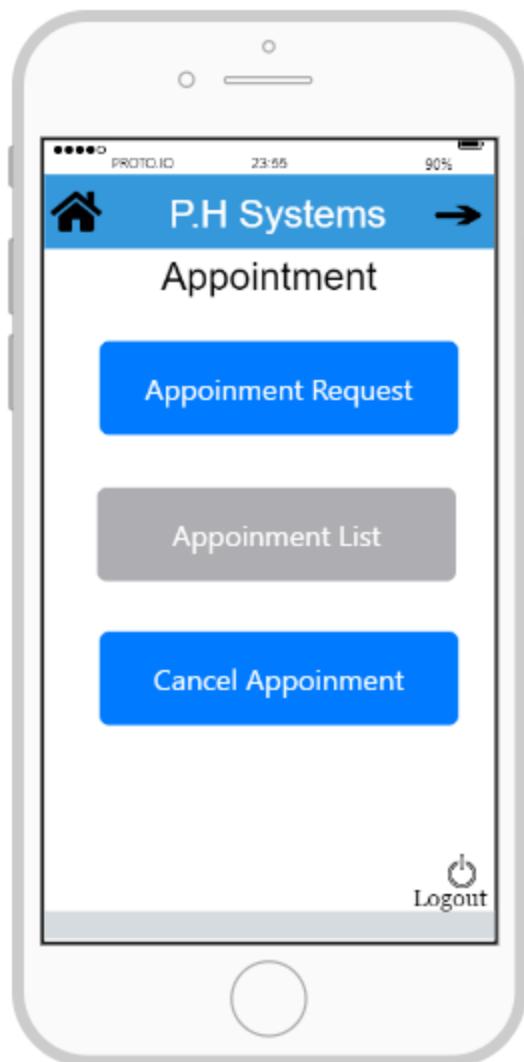
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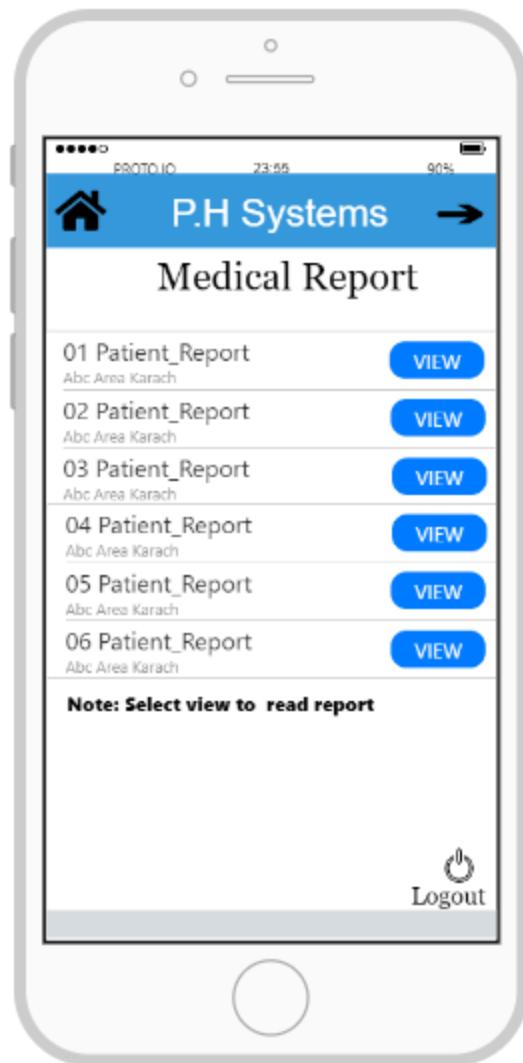
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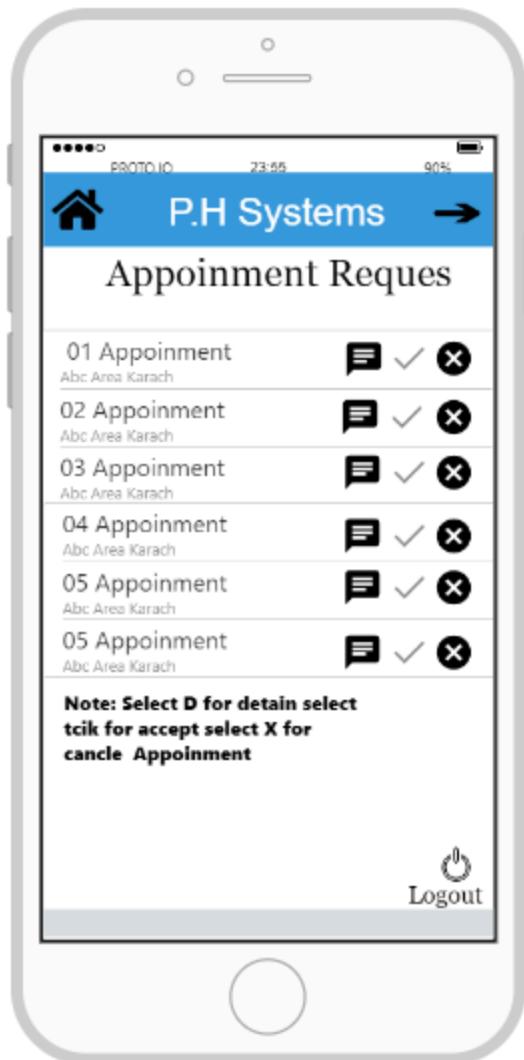
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