

MediShare

GROUP 4

Problem Definition & Background Information

- Misuse of medication and paper waste are two of today's most serious issues.
- The e-sağlık system has been in use since 2005. Even though it is an effective system, it has some shortcomings.

Objectives

- Keeping a record of the prescribed medication and recording it quickly in the system.
- Making sure that only authorized people can access the system, prescribe and monitor medication.
- Letting the user know about the intake frequency and side effects of the recorded medicines.
- Keeping the health record up-to-date by establishing a connection with electronic health systems.
- Preventing paper waste by reducing the labels used on medicines.
- Preventing medication use at the wrong time or not taking medication on time.
- Helping patients quickly and accurately find answers to their medical questions.

Functional Requirements

1. Prescription Management

2. Account Management

3. Medication Information

4. Medication Reminder System

5. Live Support System

6. Educational Resources

7. Premium Membership for Pharmaceutical Companies

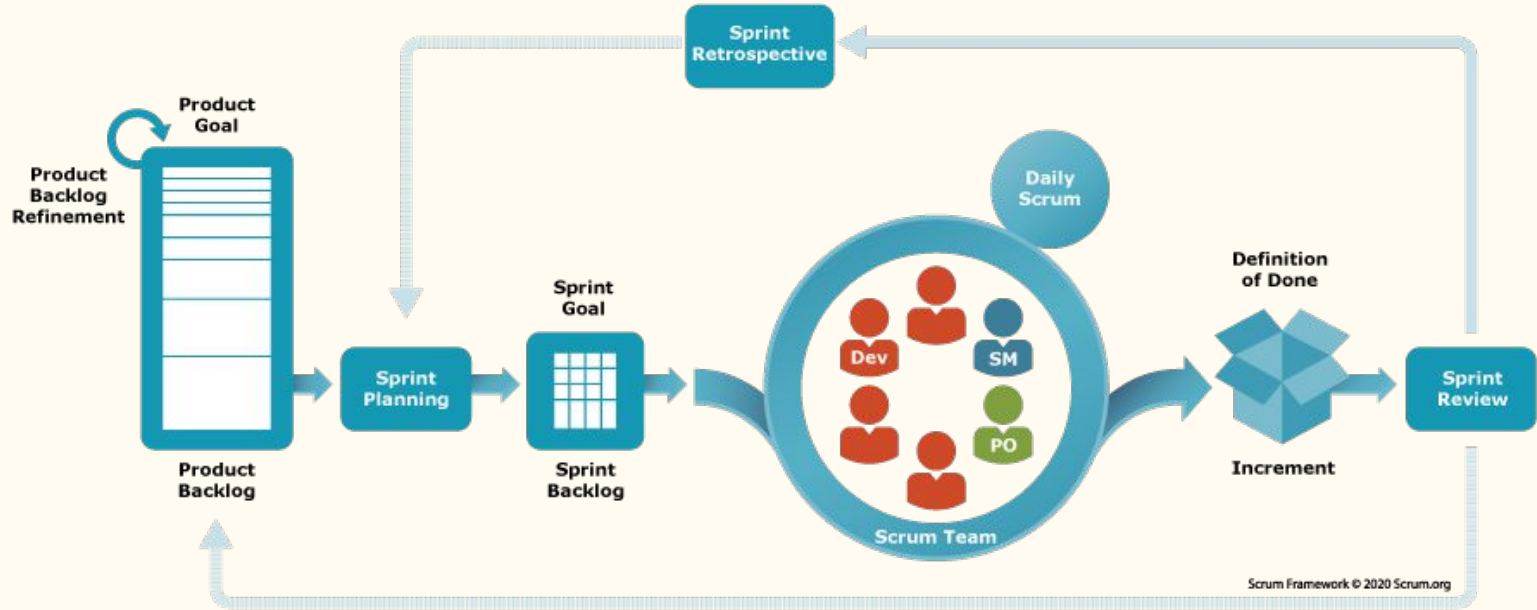
8. QR Code Integration

Non-Functional Requirements

1. Security
2. Reliability
3. Scalability
4. Usability
5. Performance
6. Accessibility
7. Compliance
8. Integration with Electronic Health Systems
9. Customer Support
10. Access Control

Process Model

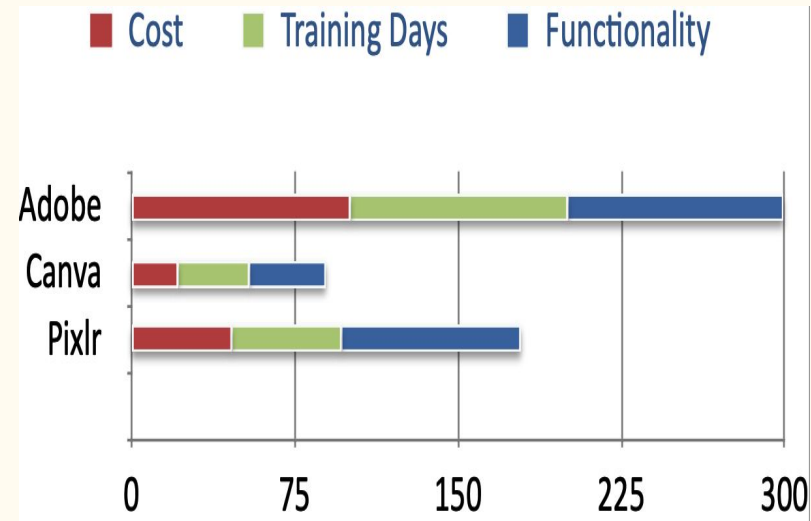
SCRUM FRAMEWORK



SOFTWARE TOOLS

User Interface and Illustration of Medicine Usage

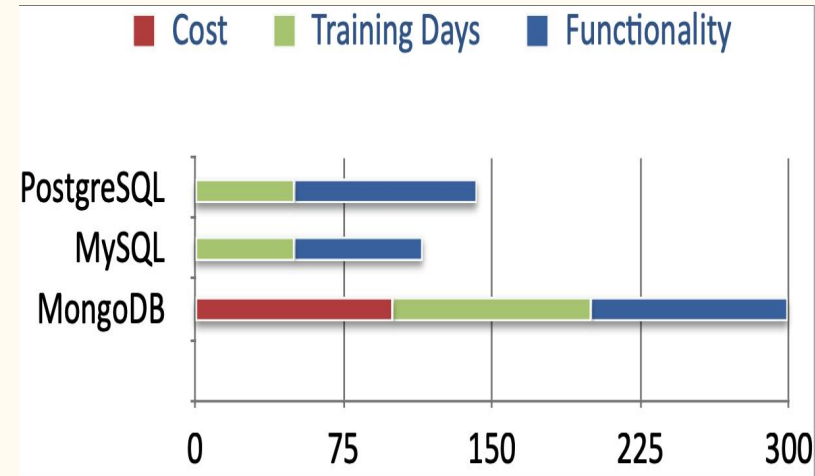
Tool	Adobe Photoshop	Canva	Pixlr
Cost	130 US\$	27 US\$	60 US\$
Training Days	30	10	15
Functionality	85	30	70
Tool (Normalized)	Adobe Photoshop	Canva	Pixlr
Cost	100.0	20.8	46.2
Training Days	100.0	33.3	50
Functionality	100.0	35.3	82



SOFTWARE TOOLS

Database Management

Tool	PostgreSQL	MySQL	MongoDB
Cost	0 US\$	\$0.24	57 US\$
Training Days	30	30	60
Functionality	65	45	70
Tool (Normalized)	PostgreSQL	MySQL	MongoDB
Cost	0	0.42	100.0
Training Days	50	50	100.0
Functionality	92	64	100.0

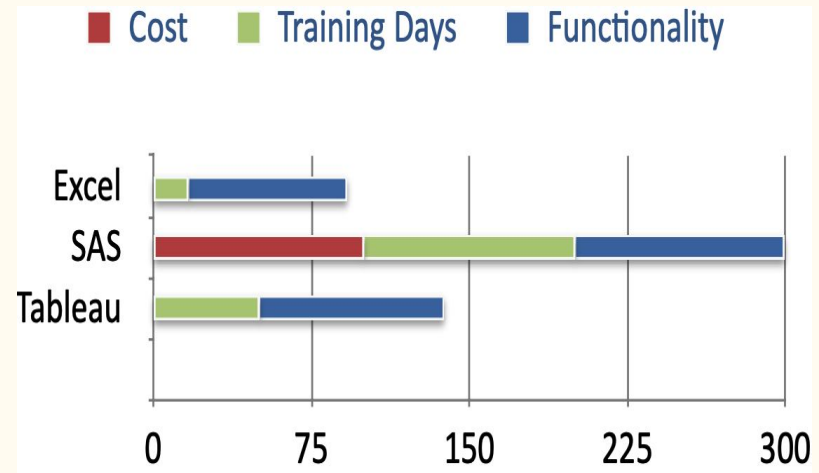


SOFTWARE TOOLS

Analytics and Reporting

Tool	Excel	SAS	Tableau
Cost	0 US\$	10000 US\$	900 US\$
Training Days	5	30	15
Functionality	60	80	70

Tool (Normalized)	Excel	SAS	Tableau
Cost	0	100.0	0.09
Training Days	16.7	100.0	50
Functionality	75	100.0	87.5

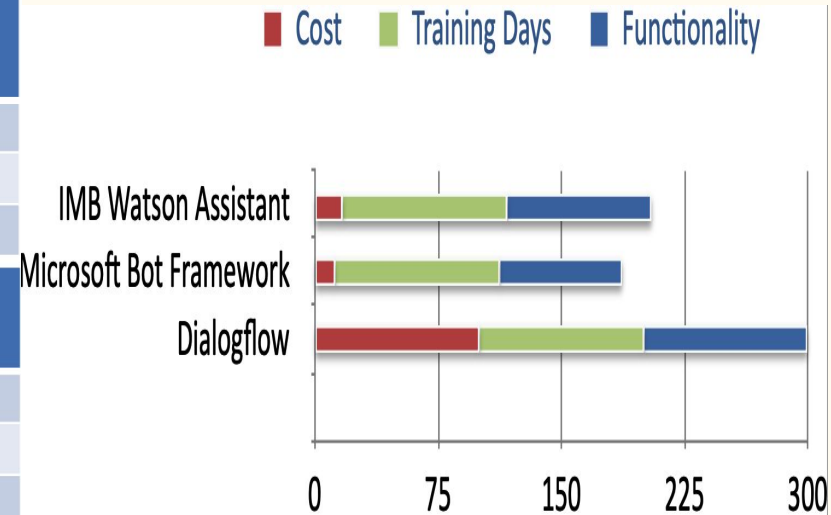


SOFTWARE TOOLS

Live Support

Tool	IMB Watson Assistant	Microsoft Bot Framework	Dialogflow
Cost	1680 US\$	1188 US\$	10000 US\$
Training Days	20	20	20
Functionality	70	60	80

Tool (Normalized)	IMB Watson Assistant	Microsoft Bot Framework	Dialogflow
Cost	16,80	11,88	100.0
Training Days	100.0	100.0	100.0
Functionality	87.5	75	100.0



Software Measurements

1. Number of Tests
2. Number of Errors
3. Lines of Code
4. Time Spent on Project
5. Number of Methods Added in that Sprint
6. Number of Added Requirements
7. Time spent on sprint retrospective
8. Number of Git Commits
9. Stakeholder Reviews

Stakeholders

1.Doctors

2.Nurses

3.Hospital Receptionists

4.Patients

5.Patient Relatives

6.Pharmacists

7.Pharmaceutical manufacturers

8.Doctor Supervisors

9.Lawyers

10.Manufacturers' Analysts

11.Developers

12.Government

MEDISHARE PROJECT NEEDS

Software needs

Version Control

Github

DialogFlow

**Languages and
Libraries**

Listing

Documentation

Google Docs.

Database

PostgreSQL

Statistic

Tableau

IDE

Visual Studio

Communication

Discord

Windows'u Etkinleştir
Windows'u etkinleştirmek için Ayarlar'a gidin.

Hardware Needs

Server

client-server architecture

Testing Devices

testing frameworks, simulators, emulators, and physical testing devices

Network

manageable switches and supporting equipments

Computer

Security

Support Needs

**Database
Support**

profelis

DialogFlow

24/7 live support

Tableau

premium technical support

**Technical
Support**

for any
issues

Security

IT team

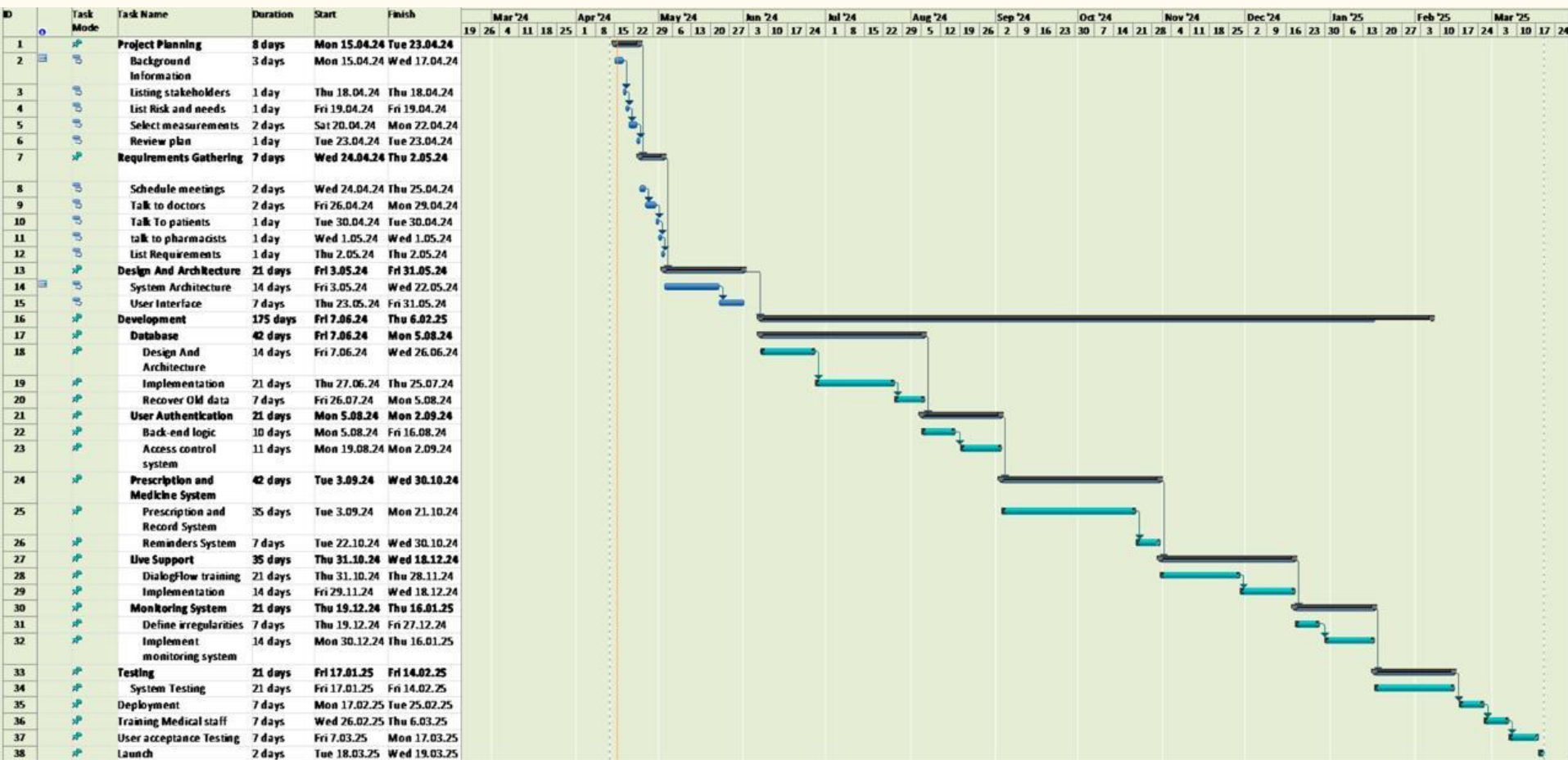
**Training
Support**

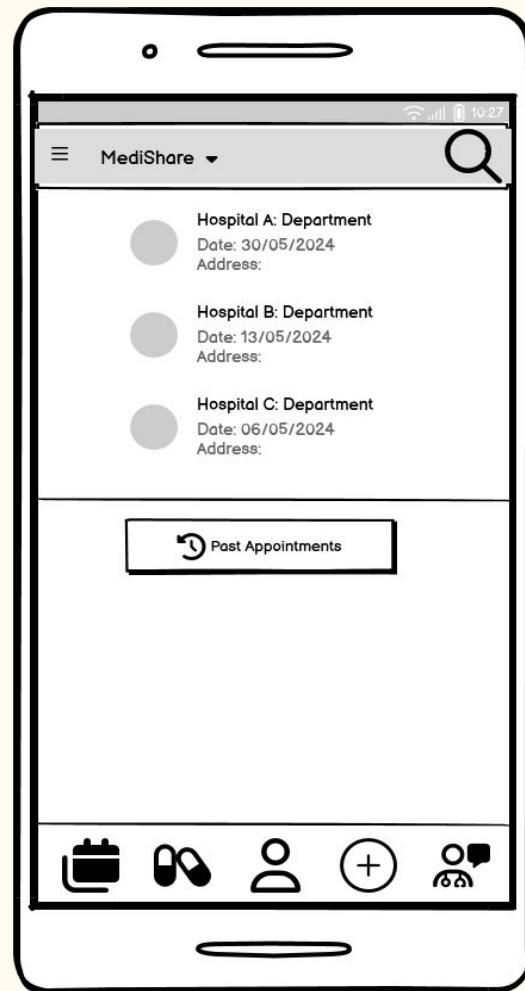
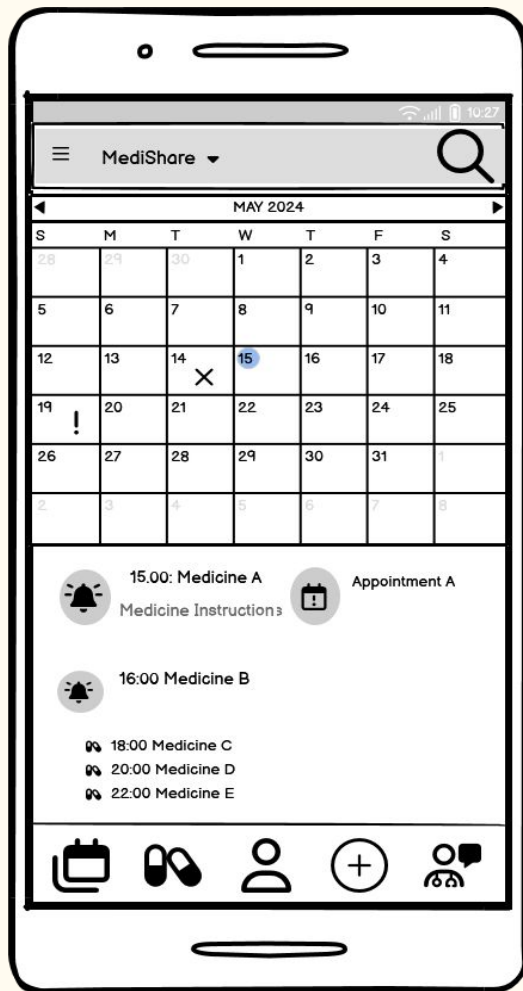
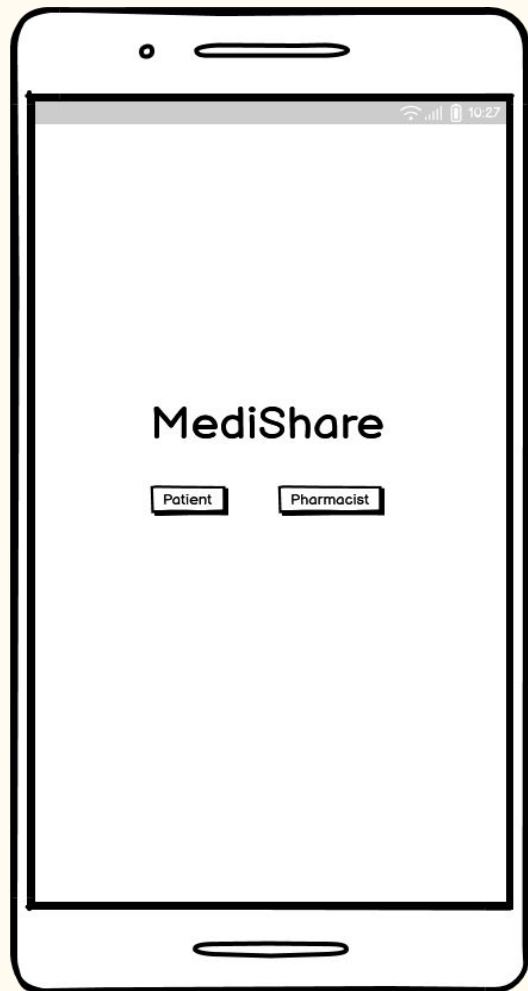
**Stakeholder
support and
Feedback**

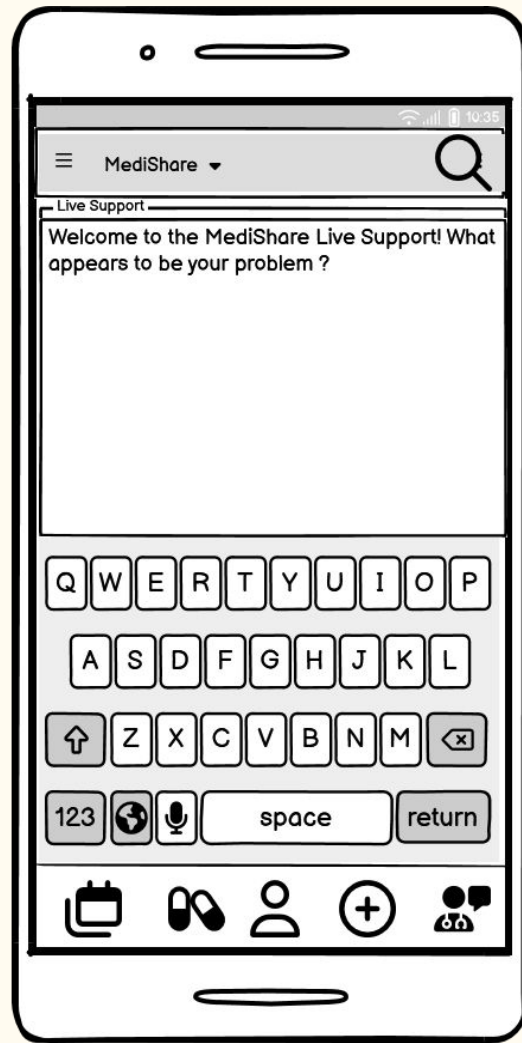
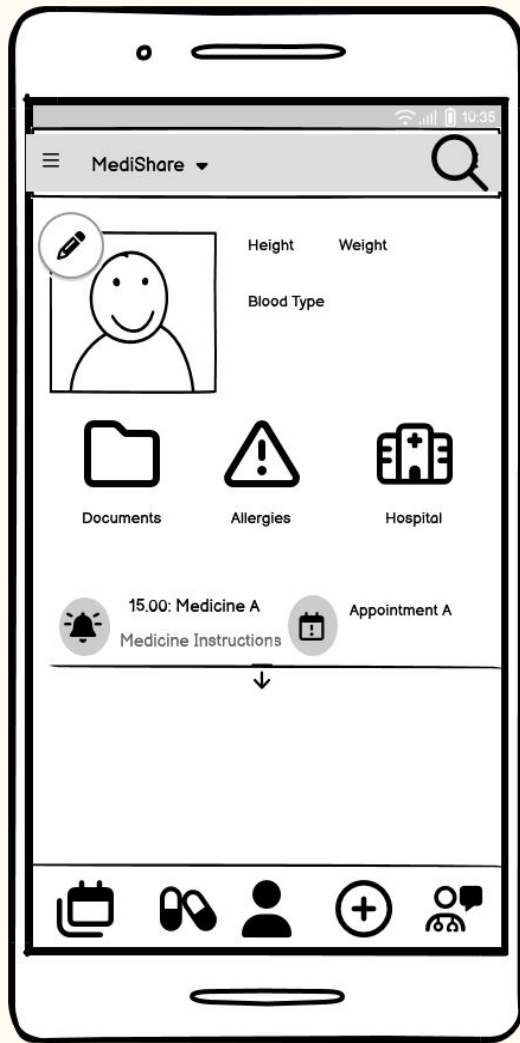
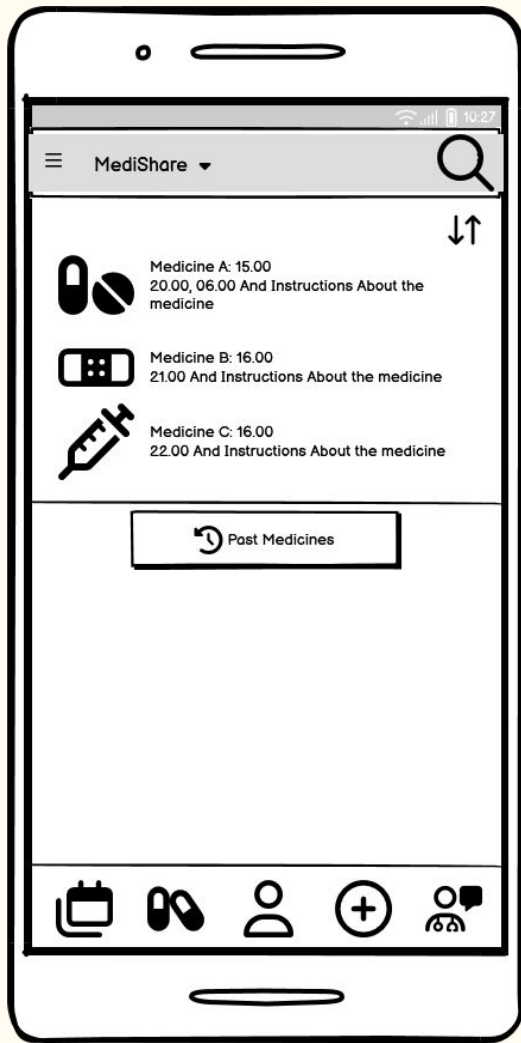
Risks

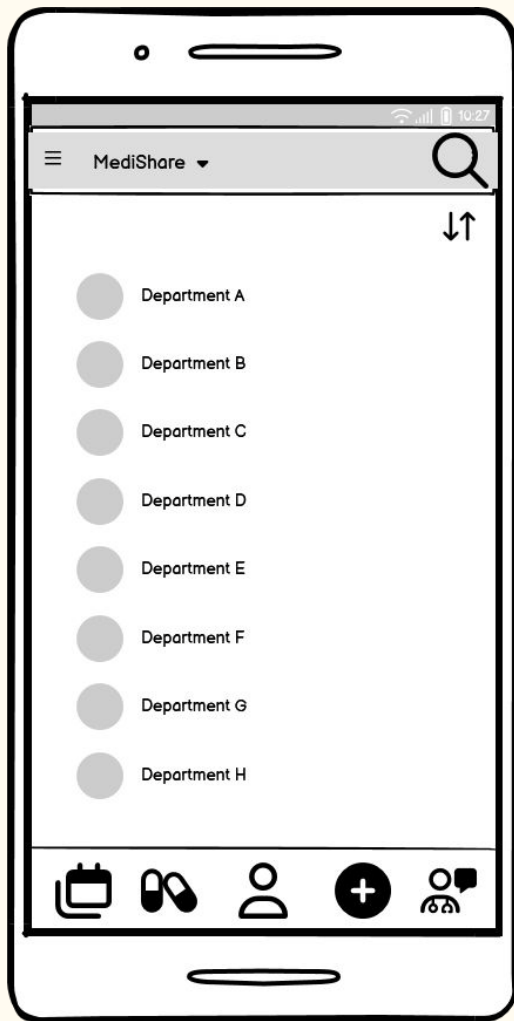
1. Testing
2. Data Loss
3. Rate of Bugs
4. Change in requirements
5. Budget
6. Integration with old systems
7. Design Complexity
8. Project Expansion
9. Change in Laws
10. Tools

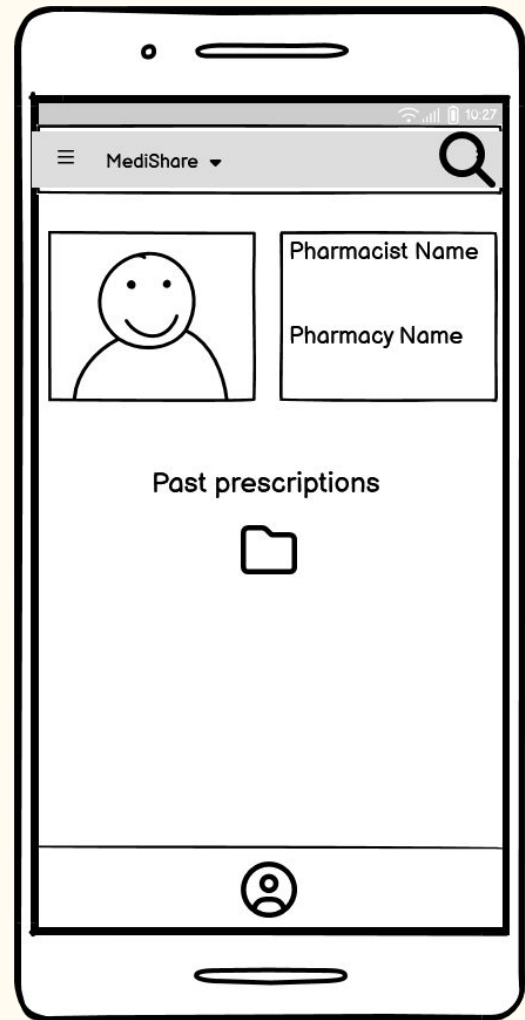
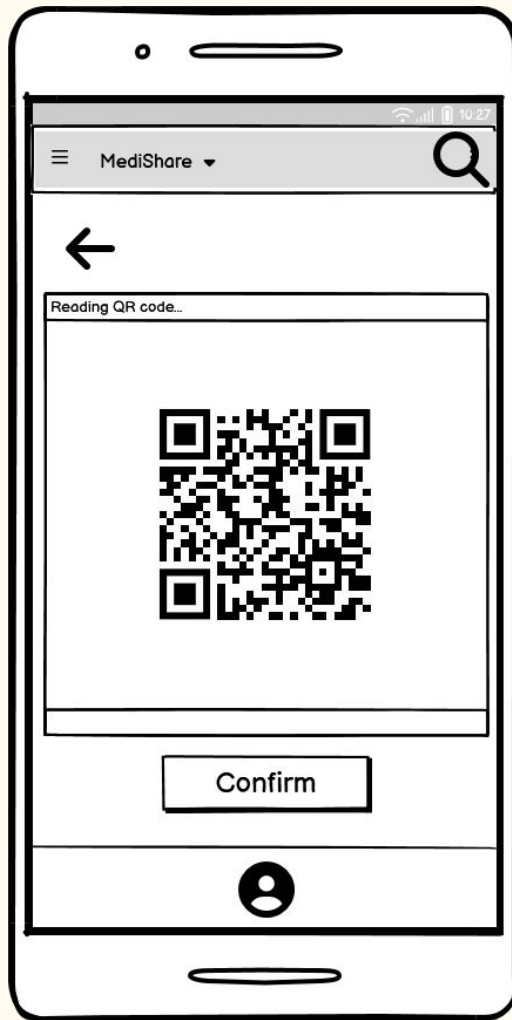
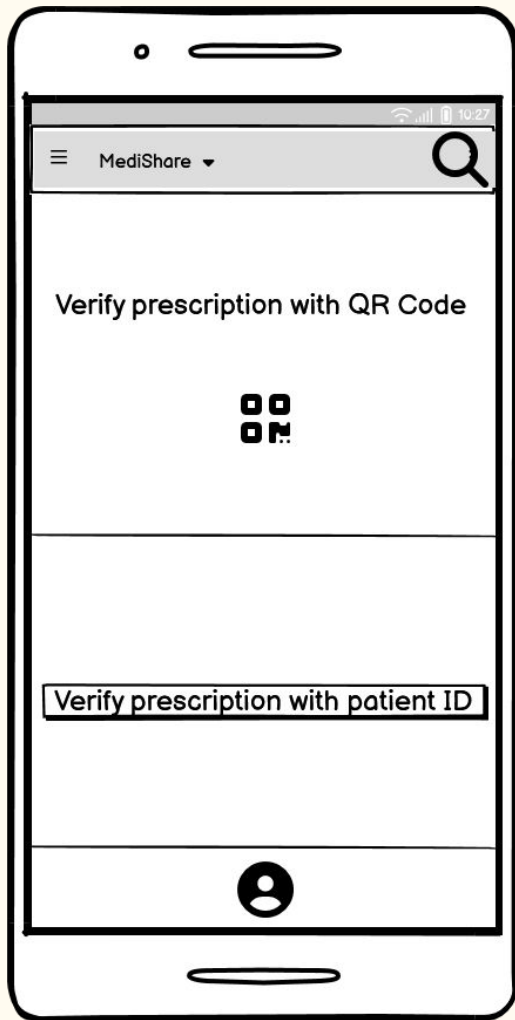
Gantt Chart
















TCKN:



Recent Treatments:

 Blood Test

Medications:

 Medicine A Medicine B

Age

 Allergies

Medicine A



Medicine B



Medicine C



Medicine D



Medicine E

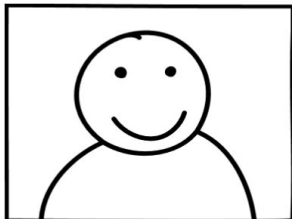





Medicine

Done

Past Medicines And Treatments

Surgeory
DateMedicine A:
Date And ReasonVaccine
Date And Reason

TCKN: Recent Treatments:
 Blood TestMedications:
 Medicine A
 Medicine B

Age

 Allergies

Medicine A



Medicine B



Medicine C



Medicine D



Medicine E



Medicine



Medicine

Done

Alert

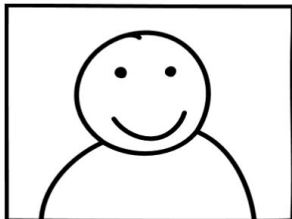



Patient is allergic to this medicine. Do you
still want to continue?

No

Yes

Past Medicines And Treatments

Surgeon
DateMedicine A:
Date And ReasonVaccine
Date And Reason

TCKN: Recent Treatments:
 Blood TestMedications:
 Medicine A
 Medicine B

Age

 Allergies

Medicine A



Medicine B



Medicine C



Medicine D



Medicine E



Medicine



Medicine

Done

Alert

Patient is allergic to this medicine. Do you
still want to continue?

No

Yes

Past Medicines And Treatments

Surgeon
DateMedicine A:
Date And ReasonVaccine
Date And Reason



Blood Test

Age

⚠ Allergies

Patient TCKN: ██████████Medicine: 2422243

Reason .

[illegible][illegible]

Done

Done