

# MediShare

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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 Companies

8.QR Code Integration

# Non-Functional Requirements

1.Security

2.Reliability

3.Scalability

4.Usability

5.Performance

6.Accessibility

7.Compliance

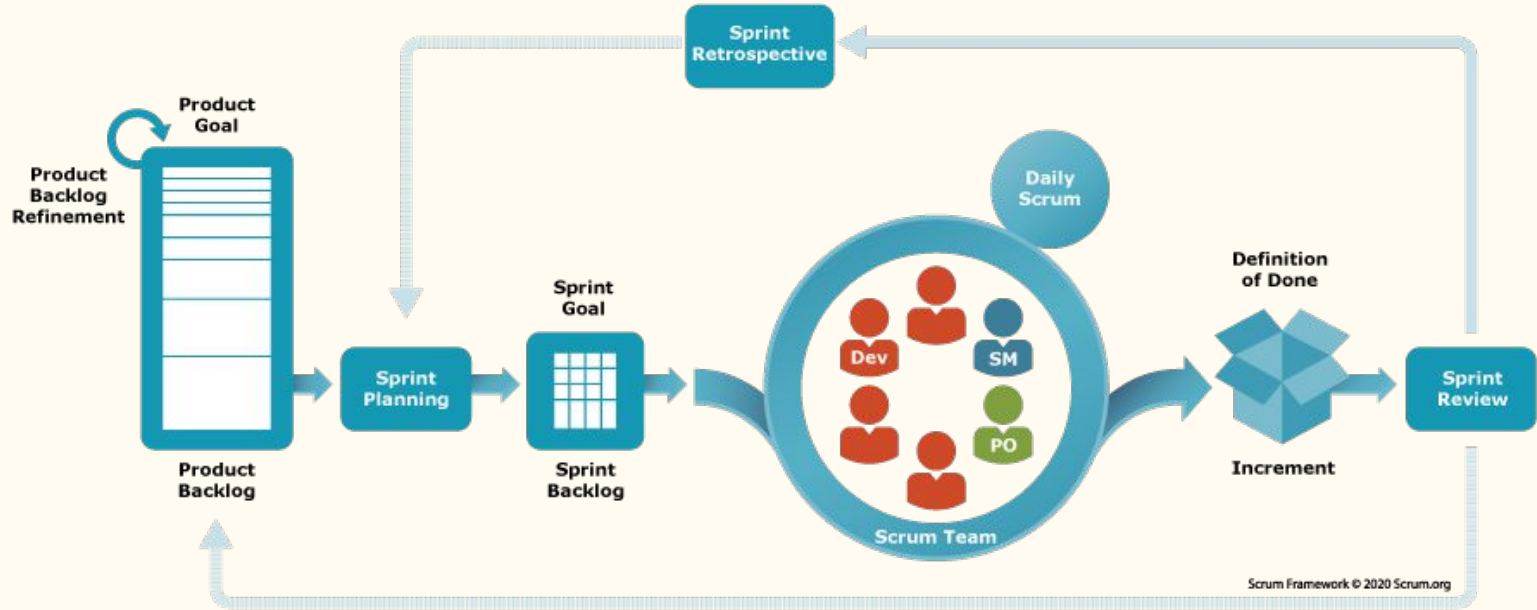
8.Integration with E-Health Systems

9.Customer Support

10.Access Control

# Process Model

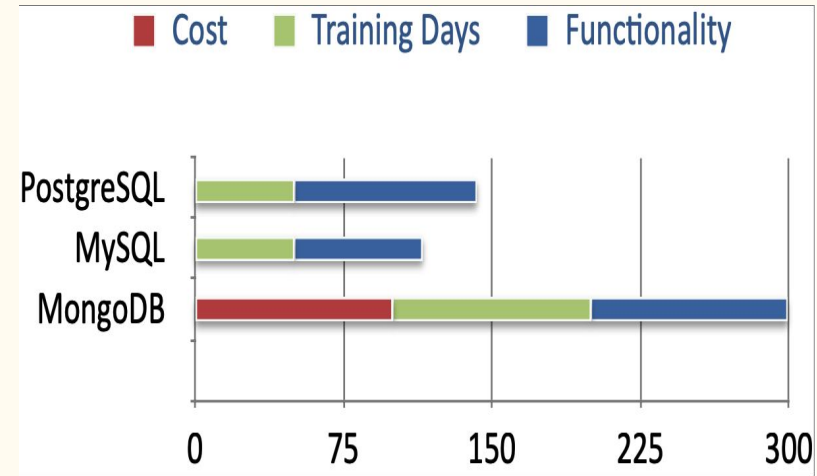
## SCRUM FRAMEWORK



# 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

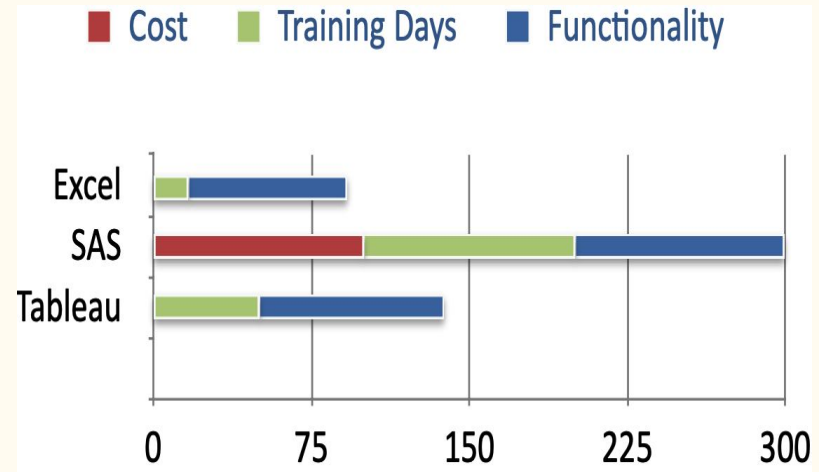


# SOFTWARE TOOLS

## 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



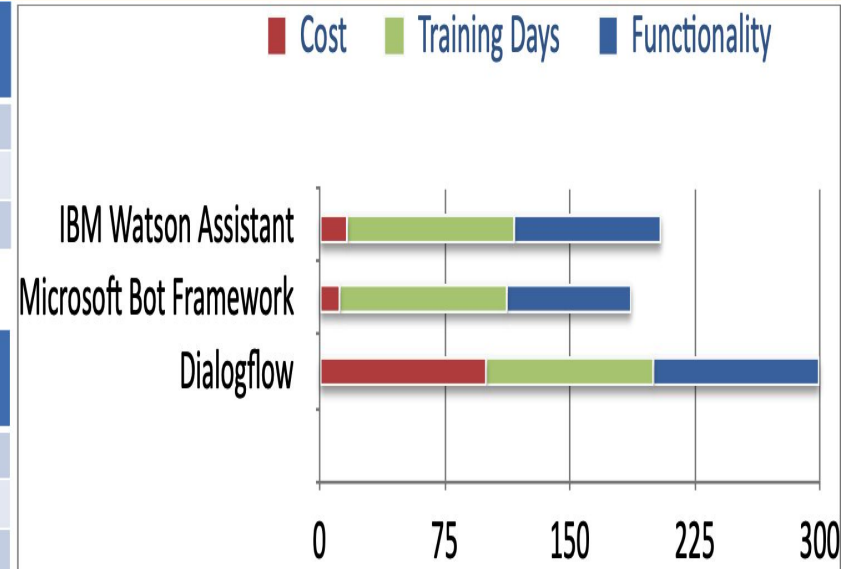


# SOFTWARE TOOLS

Live Support

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

Tool (Normalized)	IBM 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.Pharmacists

6.Pharmaceutical Manufacturers

7.Doctor Supervisors

8.Lawyers

9.Developers

10.Government

# Software Needs

1.Version Control

2.Languages

3.Database

4.IDE

5.Dialogflow

6.Documentation

7.Statistic

8.Communication

# Hardware Needs

1.Server

2.Network

# Support Needs

1. Technical Support

2. Training Support

3. Stakeholder Support

# Risks

1. Testing

2. Data Loss

3. Rate of Bugs

4. Change in Requirements

5. Budget

6. Integration with Old Systems

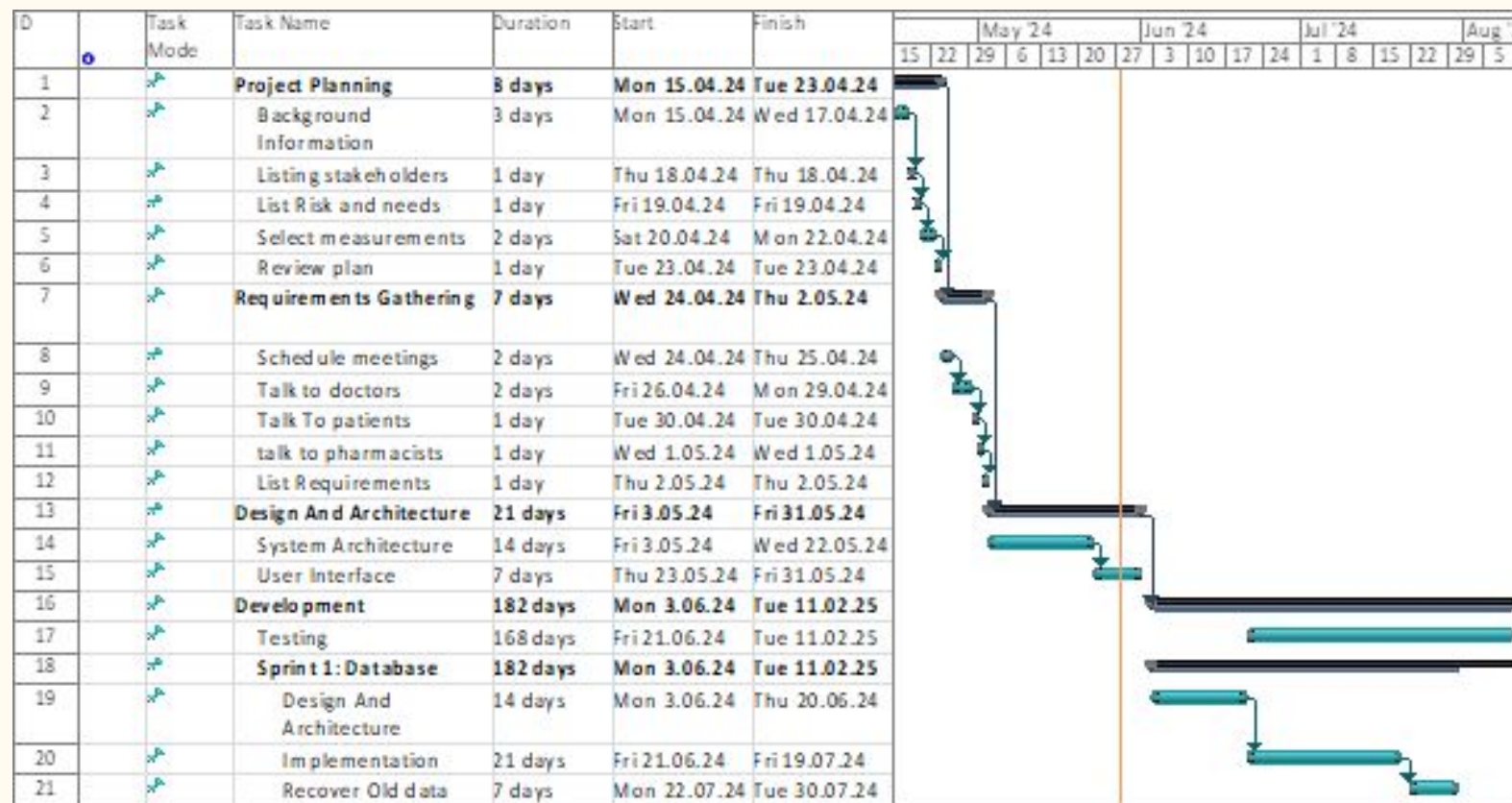
7. Design Complexity

8. Project Expansion

9. Change in Laws

10. Tools

# Gantt Chart





# Gantt Chart

