

Batch: A1 Roll No.: 16010123012

Experiment No.: 06

Grade: AA / AB / BB / BC / CC / CD /DD

Signature of the Staff In-charge with date

Title: User interface design using UI tools for mini project

Aim: To enable the students learn different user interface design tools and their aspects

CO: Prepare the System Design and Model

Books/ Journals/ Websites referred:

1. Roger Pressman, "Software Engineering", sixth edition, Tata McGraw Hill.

Pre Lab/ Prior Concepts:

The user interface Need:

System users often judge a system by its interface rather than its functionality. A poorly designed interface can cause a user to make catastrophic errors. Poor user interface design is the reason why so many software systems are never used. Most users of business systems interact with these systems through graphical interfaces although.

GUI characteristics

Windows Multiple windows allow different information to be displayed simultaneously on the user's screen. Icons different types of information. On some systems, icons represent files; on others, icons represent processes. Menus Commands are selected from a menu rather than typed in a command language. A pointing device such as a mouse is used for selecting choices from a menu or indicating items of interest in a window.

GUI advantages

They are easy to learn and use.

Users without experience can learn to use the system quickly

The user may switch quickly from one task to another and can interact with several different applications. Information remains visible in its own window when attention is switched. Fast, full-screen interaction is possible with immediate access to anywhere on the

User Interface Design Models

User model — a profile of all end users of the system

Design model — a design realization of the user model

Mental model (system perception) — the user's mental image of what the interface is

Implementation model — the interface “look and feel” coupled with supporting information that describe interface syntax and semantics

User interface design analysis:

The overall process for analysing and designing a user interface begins with the creation of different models of system function (as perceived from the outside). You begin by delineating the human- and computer-oriented tasks that are required to achieve system function and then considering the design issues that apply to all interface designs. Tools are used to prototype and ultimately implement the design model, and the result is evaluated by end users for quality.

Study and describe any one user interface tool:

Figma is a cloud-based user interface design tool used to create interactive prototypes, wireframes, and layouts for websites and applications. It allows real-time collaboration, enabling multiple users to work on the same project simultaneously. With features like reusable components, vector editing, and built-in prototyping, Figma simplifies the design process and ensures consistency. Being web-based, it is easily accessible from any device, making it a popular choice for UI/UX designers and development teams.

Diagram and UI design of your selected topics/ Wireframe design:

Sign in to your account

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☒ I agree with the terms and conditions and privacy policy

Sign in

Welcome Back!

Medislot provides an easy-to-use online platform for seamless medical appointment scheduling. We offer patients the ability to quickly book, reschedule, or cancel appointments, while enabling doctors to manage their availability and view appointments in real time.

Dont have an account? Sign Up!

Sign Up

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Already have an account? Sign in!

Sign in

Sign Up to your account


Select Role

[forgot password?](#)

☒ I agree with the terms and conditions and privacy policy

Sign Up


Doctor's UI:




Hi, Aditya
Welcome Back

EN Aditya

Dashboard
 Calendar
 Profile
 Help
 Logout





Upcoming Appointments [View All](#)

June 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

No upcoming appointments

Nearby Doctors


Please enable your location, so we can find nearby doctors [Enable Now](#)

Recent Patients [View All](#)

Amanda Clara
 Age: 33 yrs
 Female
 Tuesday, 24 May
 10:00 AM-11:00 AM ₹1000
[View Documents](#)

Jason Shatsky
 Age: 47 yrs
 Male
 Tuesday, 24 May
 11:00 AM-12:00 PM ₹700
[View Documents](#)


Jessie dux
 Age: 28 yrs
 Female
 Wednesday, 25 May
 01:00 PM-02:00 PM ₹800
[View Documents](#)




Hi, Aditya
Welcome Back

EN Aditya

Dashboard
 Calendar
 Profile
 Help
 Logout





Upcoming Appointments [View All](#)

June 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

No upcoming appointments

Nearby Doctors [View All](#)

Dr. Raj Gaggar
 Cardiologist
 1 km
 Reliance Hospital

Dr. Ram Sharma
 Gastrologist
 2 km
 Nariman House, Churchgate


Dr. Arya Singh
 Pediatric
 1.5 km
 Primaldial House, Parel

Recent Patients [View All](#)


Amanda Clara
 Age: 33 yrs
 Female
 Tuesday, 24 May
 10:00 AM-11:00 AM ₹1000
[View Documents](#)

Jason Shatsky
 Age: 47 yrs
 Male
 Tuesday, 24 May
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Jessie dux
 Age: 28 yrs
 Female
 Wednesday, 25 May
 01:00 PM-02:00 PM ₹800
[View Documents](#)




- Dashboard
- Calendar
- Profile
- Help
- Logout



Hi, Aditya

Patient Records

Yesterday Today Past 24 May '25




Amanda Clara

09:00am - 09:30am

Edit

[View in Detail](#)




Jason Shastky

09:00am - 09:30am

Edit

[View in Detail](#)




Jessie Dux

09:00am - 09:30am

Edit

[View in Detail](#)




Amanda Clara

09:00am - 09:30am

Edit

[View in Detail](#)




Amanda Clara

09:00am - 09:30am

Edit

[View in Detail](#)




Amanda Clara


09:00am - 09:30am

Edit

[View in Detail](#)



- Dashboard
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- Profile
- Help
- Logout



Hi, Aditya


Profile

EN

General

Consultation History

My Profile



Dr. Aditya Baheti

Cardiologist

India

Edit

Personal Information

Name: Aditya Baheti

Date Of Birth: 03/04/1996

Age: 56

Phone Number: + 91 9653576709

Email Address: Email@gmail.com

Edit

Disease History/ Allergies

Speech: None


Physical: None

General

Change Password

Notifications

Enable Notifications



Hi, Aditya

Profile

EN


Dashboard

Calendar

Profile

Help

Logout



General


Consultation History

History

May 25


New Appointment

Yesterday




Arpita Singh

9:00am - 10:00am




Sharon Verma

10:00am - 11:00am



Abhishek Datal


12:00pm - 1:00pm



Samay Raina


1:00pm - 2:00pm

Today




Janice Edward

9:00am - 10:00am




Aaron Davis

10:00am - 11:00am



Leslie Alexander


12:00pm - 1:00pm



Ambuj Rai


1:00pm - 2:00pm

25/05/2025




Jacob Jones

9:00am - 10:00am




Wade Warren

10:00am - 11:00am




Robert Fox

12:00pm - 1:00pm



Cody Fisher

1:00pm - 2:00pm



Hi, Aditya

Profile

EN


Dashboard

Calendar

Profile

Help


Logout



General

Visit History

Documents



Aditya Baheti (Male)

Mumbai, India

Edit

Personal Information

Edit

Name

Aditya Baheti

Date Of Birth

07/01/1997

Phone Number

+91 3435657879

Email Address

aditya@email.com

Disease History/ Allergies

Pre-existing Diseases


Diabetes X Apraxia X

Allergies

Peanuts X Dust X

Physical


Arthritis X



 Hi, Aditya
Profile

General Visit History Documents

History
May 23
New Appointment

Date	Time	Doctor	Action
Mon 02	09:00am - 09:30am	Aditya Baheti	View Documents Edit
Fri 04	09:00am - 09:30am	Aditya Baheti	View Documents Edit




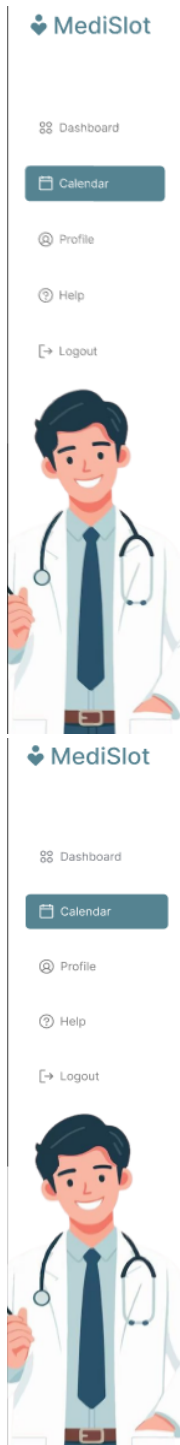

 Hi, Aditya
Profile

General Visit History Documents

Documents
May 25
+ New Document

Document Type	Date	Action
Blood report	May 14, 2023, 13:25 PM	View Document
Dr. Inglais Prescription	May 14, 2023, 13:25 PM	View Document
Blood report	May 14, 2023, 13:25 PM	View Document
Blood report	May 14, 2023, 13:25 PM	View Document
Blood report	May 14, 2023, 13:25 PM	View Document
Blood report	May 14, 2023, 13:25 PM	View Document
Blood report	May 14, 2023, 13:25 PM	View Document
Blood report	May 14, 2023, 13:25 PM	View Document





Hi, Aditya

Calender

Upcoming Past May 25 + New Appointment

Day	Time	Doctor	Action
Thu 15	09:00am - 09:30am	Abhay Verma	View Documents Edit
Fri 15	09:30am - 10:30am	Ananya Rajput	View Documents Edit
Mon 19	09:00am - 09:30am	Raj Sharma	View Documents Edit

June '25

Day	Time	Doctor	Action
Mon 02	09:00am - 09:30am	Stephine Claire	View Documents Edit
Tue 03	09:00am - 09:30am	Stephine Claire	View Documents Edit
Wed 04	09:00am - 09:30am	Stephine Claire	View Documents Edit

[View in Calendar](#)

Hi, Aditya

Calender

Upcoming


Today

Day	Time	Doctor	Date
Raj Sharma	10:00am - 11:00am	May 25, 2025	
Ananya Rajput	11:00am - 11:45am	May 25, 2025	
Ambuj Rai	12:00pm - 1:00pm	May 25, 2025	

Tomorrow

Day	Time	Doctor	Date
Siddhart Singh	10:00am - 11:00am	May 26, 2025	
Aaryan Sharma	11:00am - 12:00pm	May 26, 2025	
Aditey RK	02:00pm - 03:00pm	May 26, 2025	

Client's UI:




Dashboard

Calendar

Profile


Help

Logout



Hi, Aditya

Welcome Back




Upcoming Appointments

View All >

June 2025

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					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30




No upcoming appointments

Nearby Doctors

Please enable your location, so we can find nearby doctors [Enable Now](#)

Recommended Doctors

View All >



Dr. Amanda Clara

Specialist | 12 years experience

Pediatric


Tue, Thu

10:00 AM-01:00 PM

₹1000

Starting

Book an appointment



Dr. Jason Shatsky

Specialist | 10 years experience

Surgical


Tue, Thu

10:00 AM-01:00 PM

₹700

Starting

Book an appointment



Dr. Jessie dux

Specialist | 7 years experience

Gastroenterology

Tue, Thu

10:00 AM-01:00 PM


₹800

Starting

Book an appointment

Hi, Aditya

Welcome Back




Upcoming Appointments

View All >

June 2025


Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



No upcoming appointments

Nearby Doctors

View All >




Dr. Raj Gagger

Cardiologist

1 km

Reliance Hospital




Dr. Ram Sharma

Gastrologist

2 km

Nariman House, Churchgate



Dr. Arya Singh


Pediatric

1.5 km

Primal House, Parol

Recommended Doctors

View All >



Dr. Amanda Clara

Specialist | 12 years experience

Pediatric


Tue, Thu

10:00 AM-01:00 PM

₹1000

Starting

Book an appointment



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Tue, Thu

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₹700

Starting

Book an appointment



Dr. Jessie dux

Specialist | 7 years experience

Gastroenterology

Tue, Thu

10:00 AM-01:00 PM


₹800

Starting



Book an appointment

Department of Computer Engineering

SE SemV July-Nov 2024




- Dashboard
- Calendar
- Profile**
- Help
- Logout







Hi, Aditya

Profile

EN 

General
My History
My Documents


Aditya Baheti (Male)
Mumbai, India
Edit 

Personal Information
Edit 


Name	Date Of Birth
Aditya Baheti	07/01/1997
Phone Number	Email Address
+91 3435657879	aditya@email.com

Disease History/ Allergies


Pre-existing Diseases Diabetes × Apraxia ×	Allergies Peanuts × Dust ×
Physical Arthritis ×	

General

Change Password
Change
Notifications
Enable Notifications ☒




- Dashboard
- Calendar
- Profile**
- Help
- Logout





Hi, Aditya


Profile

EN 


General
My History
My Documents

History
May '25 
New Appointment 

10 May


Dr. Raj Gaggar
09:00am - 09:30am ₹1500
View in Detail [View in Detail](#)

16 May


Dr. Raj Gaggar
09:00am - 09:30am ₹1500
View in Detail [View in Detail](#)

No more appointments this month!


Hi, Aditya


Profile


General My History My Documents


Documents


May 25 + New Document



 Blood report
 May 14, 2023, 13:25 PM



 Dr. Inglaish Prescription
 May 14, 2023, 13:25 PM



 Blood report
 May 14, 2023, 13:25 PM


 Blood report
 May 14, 2023, 13:25 PM


 Blood report
 May 14, 2023, 13:25 PM


 Blood report
 May 14, 2023, 13:25 PM


 Blood report
 May 14, 2023, 13:25 PM


 Blood report
 May 14, 2023, 13:25 PM

Hi, Aditya

Calendar

EN Aditya

May 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
31	01	02	03	04	05	06
07	08	09	10 Dr. Sameer Gaggar 10:00am - 11:00am	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26 Dr. Sameer Gaggar 10:00am - 11:00am	27
28	29	30	01	02	03	04

Upcoming

Tomorrow

Dr. Sameer Gaggar
 10:00am - 11:00am May 25, 2025



**K. J. Somaiya School of
Engineering, Mumbai-77**
**Department of Computer
Engineering**



MediSlot

EN Aditya

Dr. Raj Gaggar

30 mins

Fees: ₹1500

Select Date and Time

<

May 2025

>

MON	TUE	WED	THU	FRI	SAT	SUN
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Thursday, 10th May

10:30am

11:30am

02:30pm

03:00pm

03:30pm

04:30pm

05:00pm

05:30pm

Next

MediSlot

EN Aditya

Dr. Raj Gaggar

30 mins

Fees: ₹1500

02:30pm - 03:00pm, Thursday, May 10th

Enter Details

Patient's Name

Aditya Baheti

Patient's Age

28 yrs





Payment Details


☒ Gpay





☐ Paytm

☐ Other UPI apps

Confirm


 EN    Aditya




 Dr. Raj Gaggar
 30 mins
 Fees: ₹1500
 02:30pm - 03:00pm, Thursday,
 May 10th

Enter Details


Patient's Name

Patient's Age

 UPI

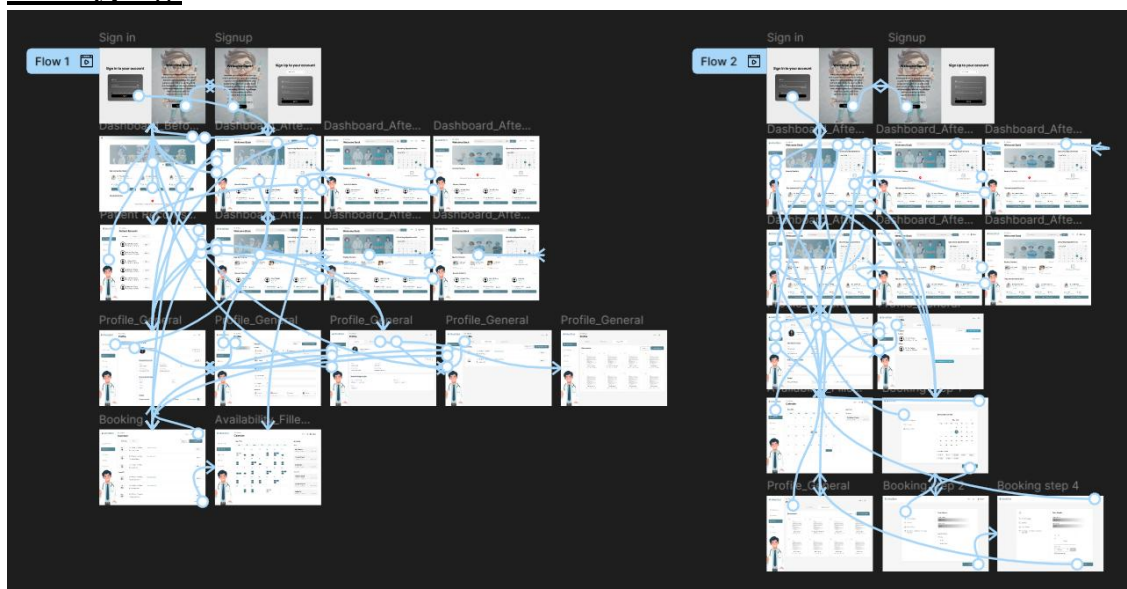
App

Or

Enter UPI ID
 

☐ Save for future use

Prototyping:



Figma Link:

<https://www.figma.com/design/rC93MCF8c5qWnEHGjTFmWn/MediSlot?node-id=0-1&t=BdaO63EgGuPiRanJ-1>

CONCLUSION:

Through this experiment, we learned the importance of user interface design in developing effective and user-friendly software systems. A well-designed UI enhances the user experience, reduces the chances of errors, and makes the system easy to learn and navigate. By using tools like Figma, we can efficiently create wireframes, prototypes, and interactive designs that reflect the final product. This experiment helped us understand the process of designing interfaces that are visually appealing, functional, and aligned with user needs.

Post Lab Descriptive Questions

1. State various types of UI design tools.

Various types of UI design tools are:

- **Figma** – A cloud-based tool for collaborative UI/UX design and prototyping.
- **Adobe XD** – Used for designing and creating interactive prototypes.
- **Sketch** – A vector-based tool for designing user interfaces and wireframes.
- **InVision** – Focuses on building interactive prototypes and collaboration.
- **Balsamiq** – A simple tool for creating quick, low-fidelity wireframes.