



MED UANTAGE

GROUP 06



OUR TEAM

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INTRODUCTION

Bangladesh has a large population with limited access to mental health professionals, especially in rural areas. This online platform aims to bridge that gap by connecting people with qualified mental health professionals. Overall, this platform strives to make mental healthcare accessible and effective for everyone in Bangladesh through technology and user-friendly design.



Objective



- Create an online mental healthcare platform for our country.
- Verify professionals, schedule appointments, and secure payment system.
- Enhance mental healthcare accessibility both online and offline.

Background of the Study Motivation:

- Help people in rural area to access mental health support in online.
- Connect individuals with qualified professionals for counseling.
- Ensure scheduling appointments and payment processes are easy and secure.
- Enhance mental health services for everyone in Bangladesh



System Study:

- MonerBondhu:
<https://monerbondhu.com/>
- Esho-Nije-Kori :
<https://www.eshonijekori.com/>
- Doctor On Demand :
<https://doctorondemand.com/>

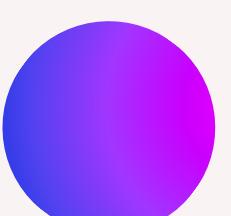


Benchmark Analysis

Features	doctoron demand	Monerbondhu.com	Esho nije kori	MED VANTAGE
Sign in/ Sign up	✓	✓	✓	✓
Appointment Booking	✓	✓	✓	✓
Online Counselling	✓	✓	✓	✓
Online Report genarate	✗	✗	✗	✓
Offline Counselling	✓	✗	✓	✓
Counselling Feedback	✗	✗	✗	✓
Data Analysis/ Reserve data	✗	✗	✗	✓



FEATURES



USER/PATIENT

- See doctor List
- Choose Doctor
- Appointment Booking
- Payment
- Support



DOCTOR

- Accept Appointment
- Provide Meet Link
- Check previous medical statement

ADMIN

- Add or Remove User/Doctor
- Set Doctor List
- Access Patient Data
- Create Report



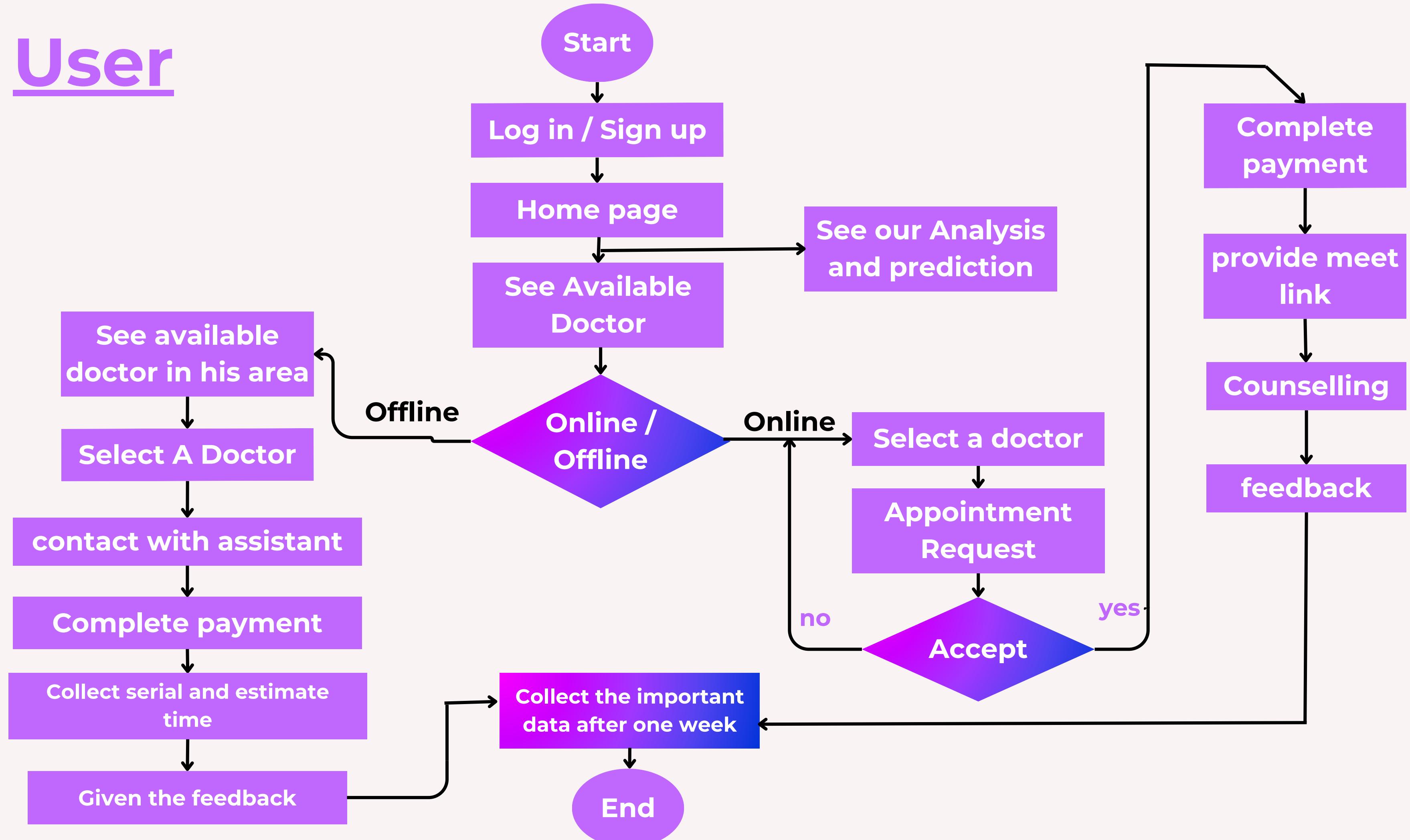
Assistant

- Patient Appointment Request Handle
- Doctor's Availability handle
- Check Payment

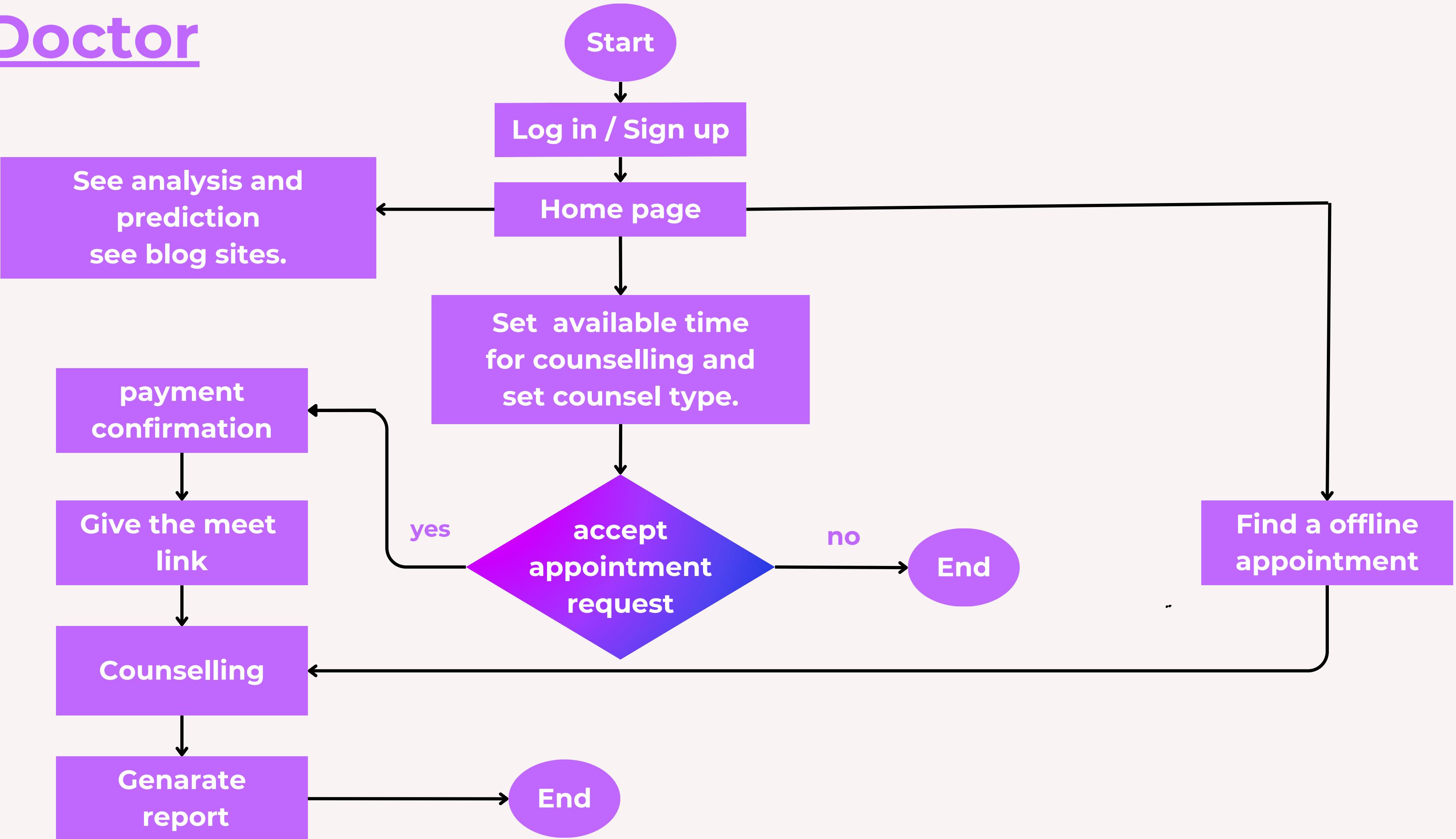


FLOWCHART

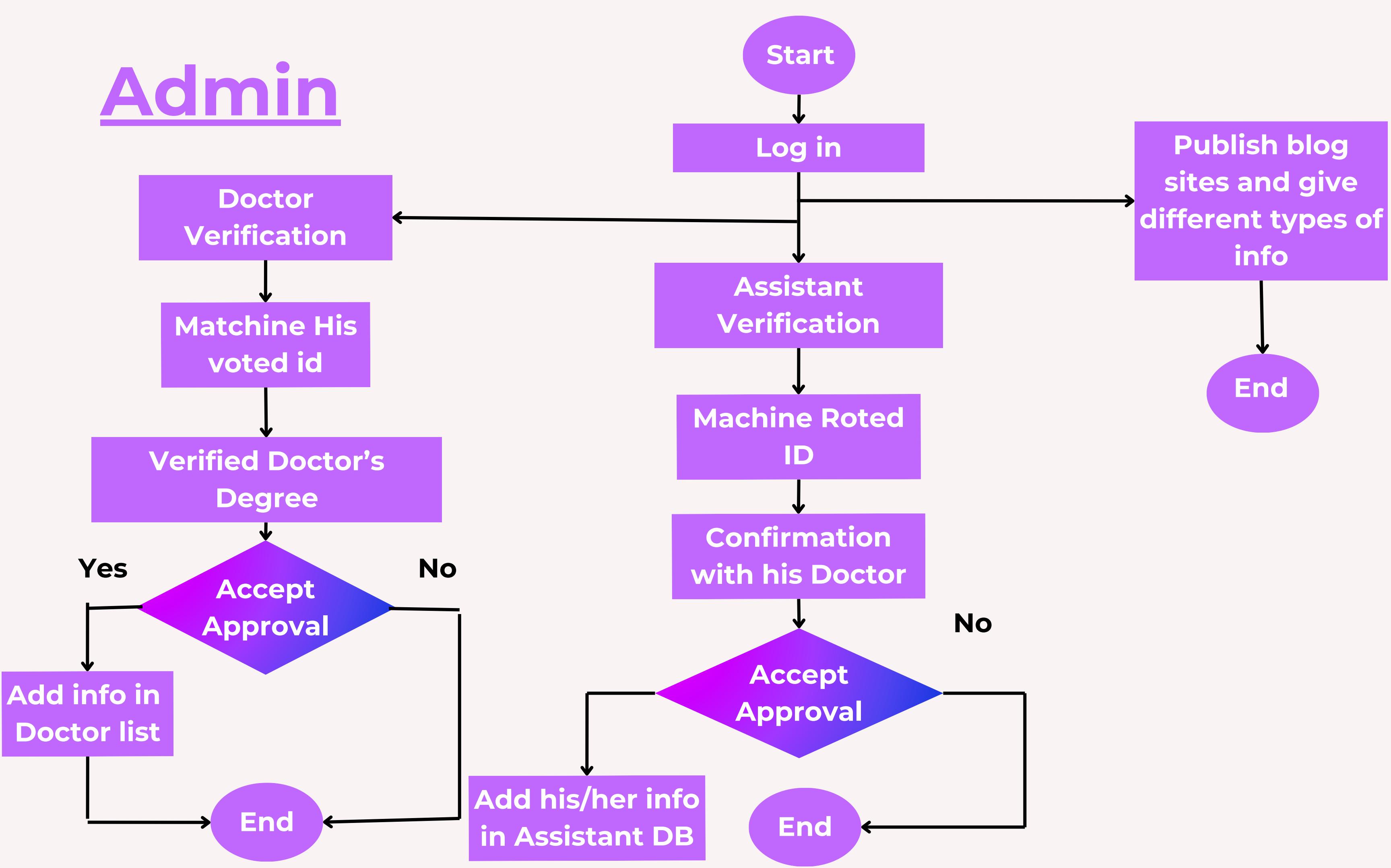
User



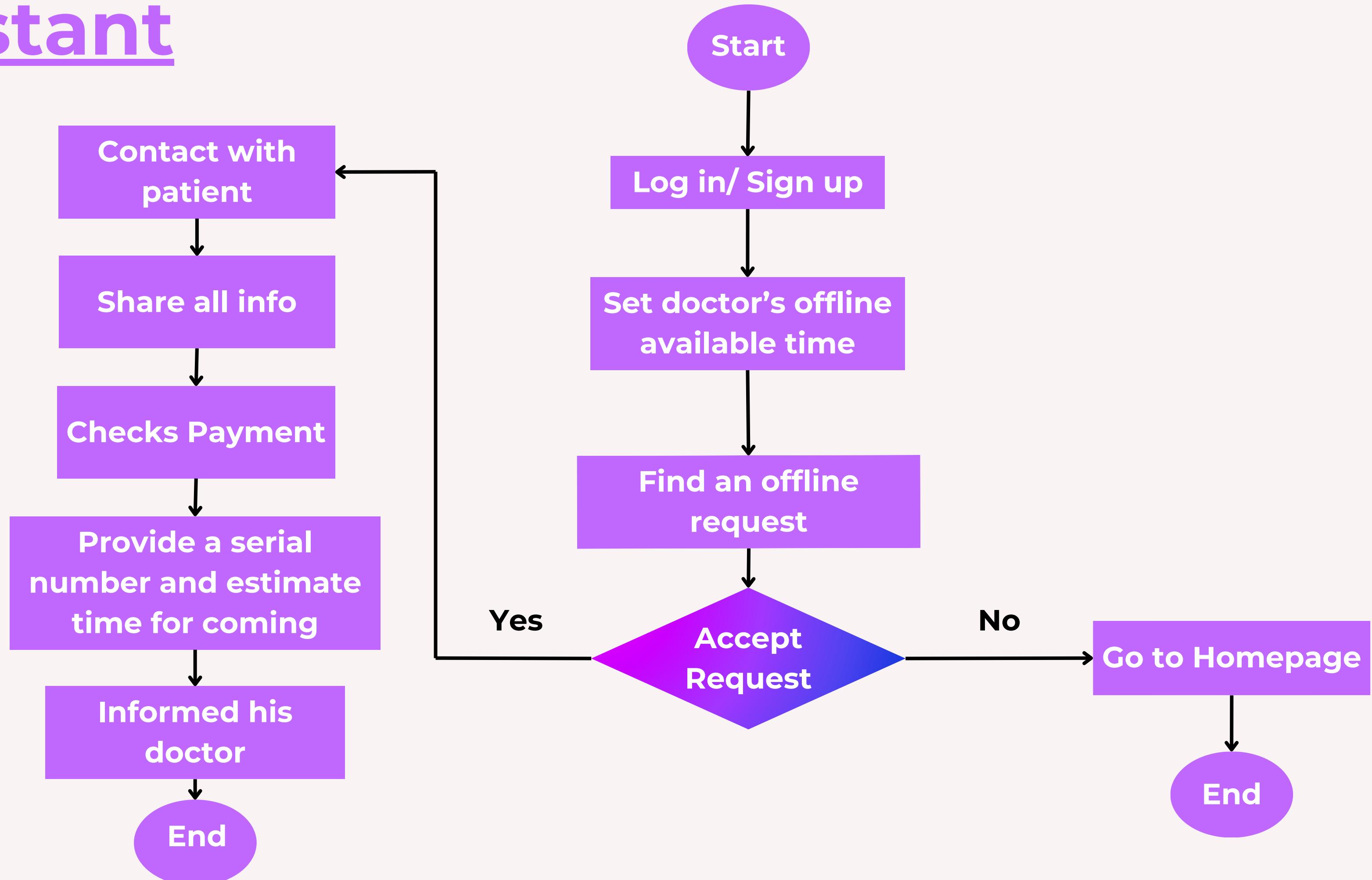
Doctor



Admin



Assistant



Gantt Chart

SL	Process	Duration (Days)
01	Project Selection	1
02	Report	5
03	UI/UX Design	3
04	Front-end	5
05	Back-end	15

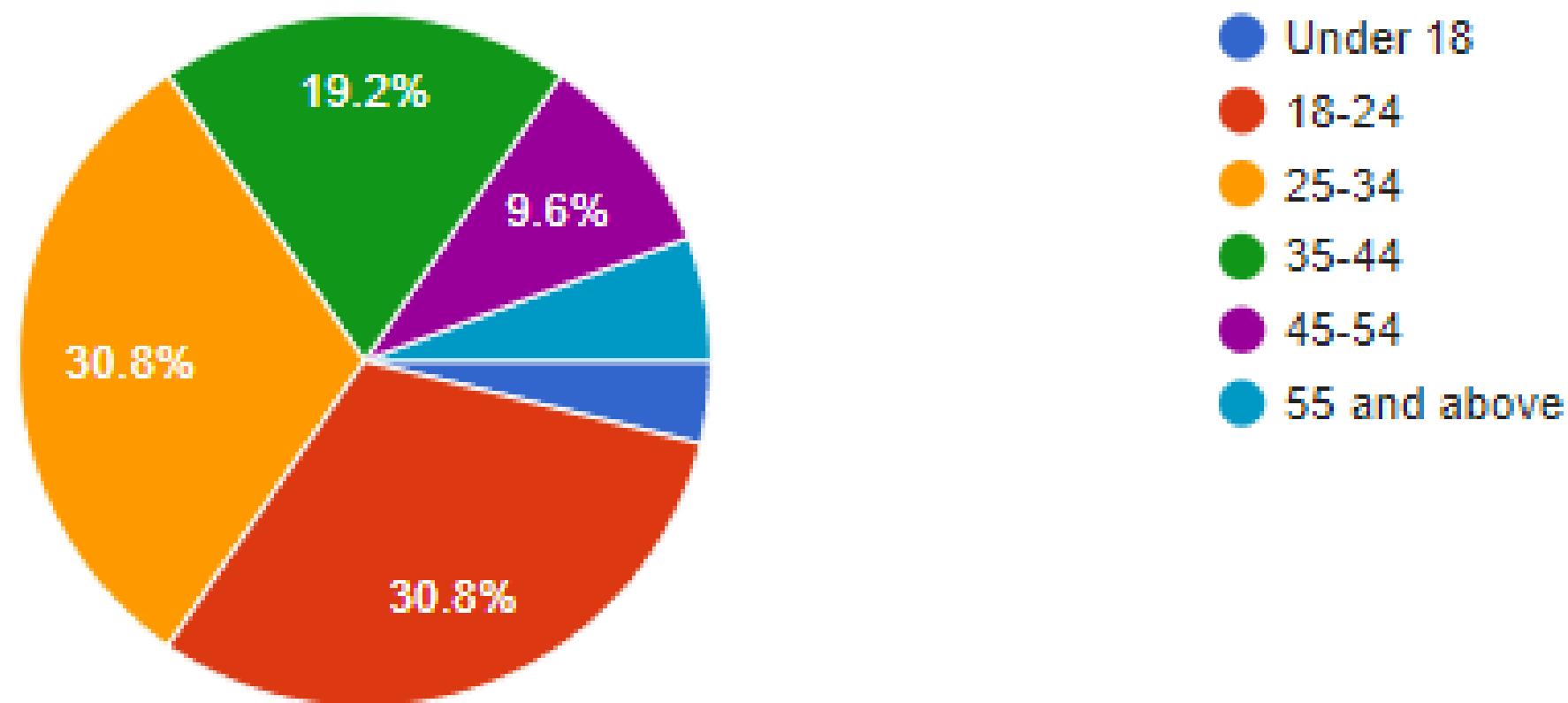


Survey

What is your age group?

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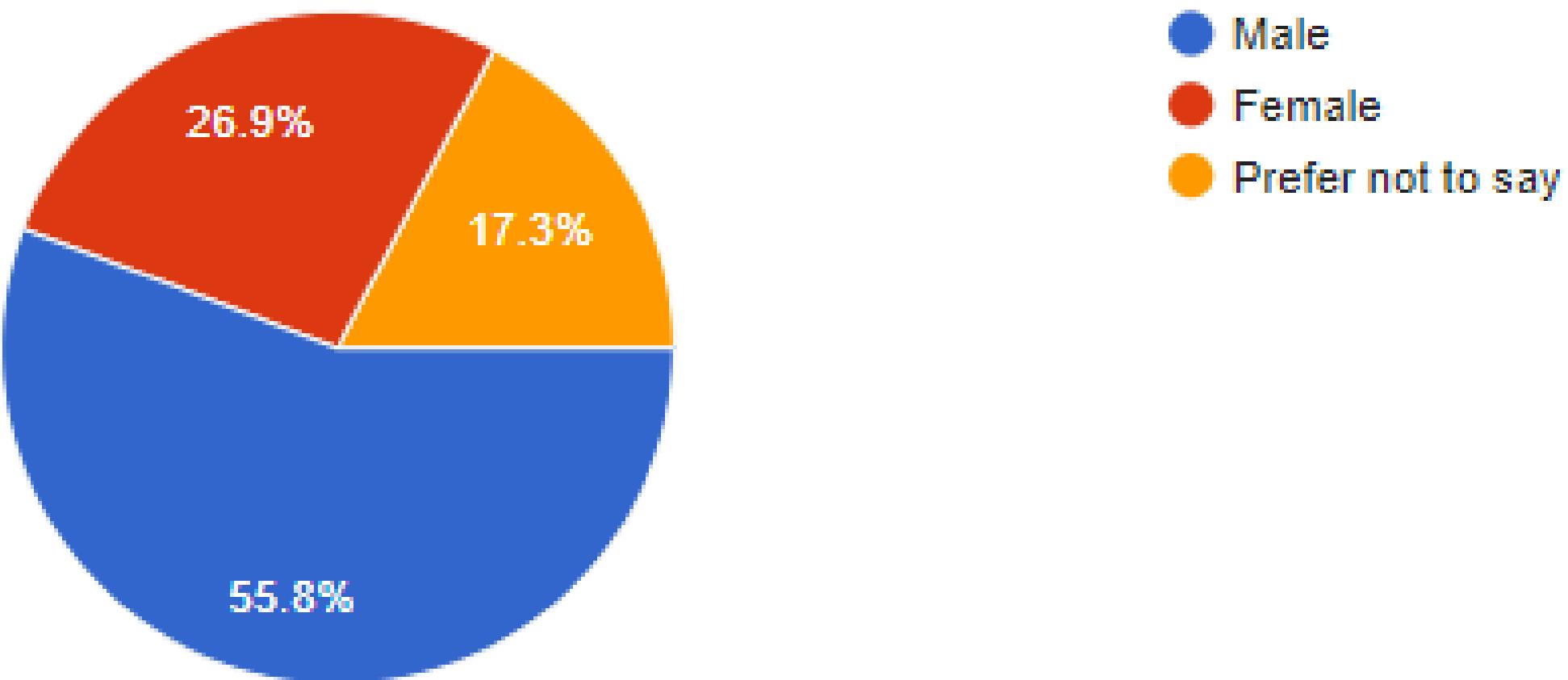
52 responses



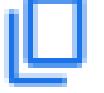
How do you identify your gender?

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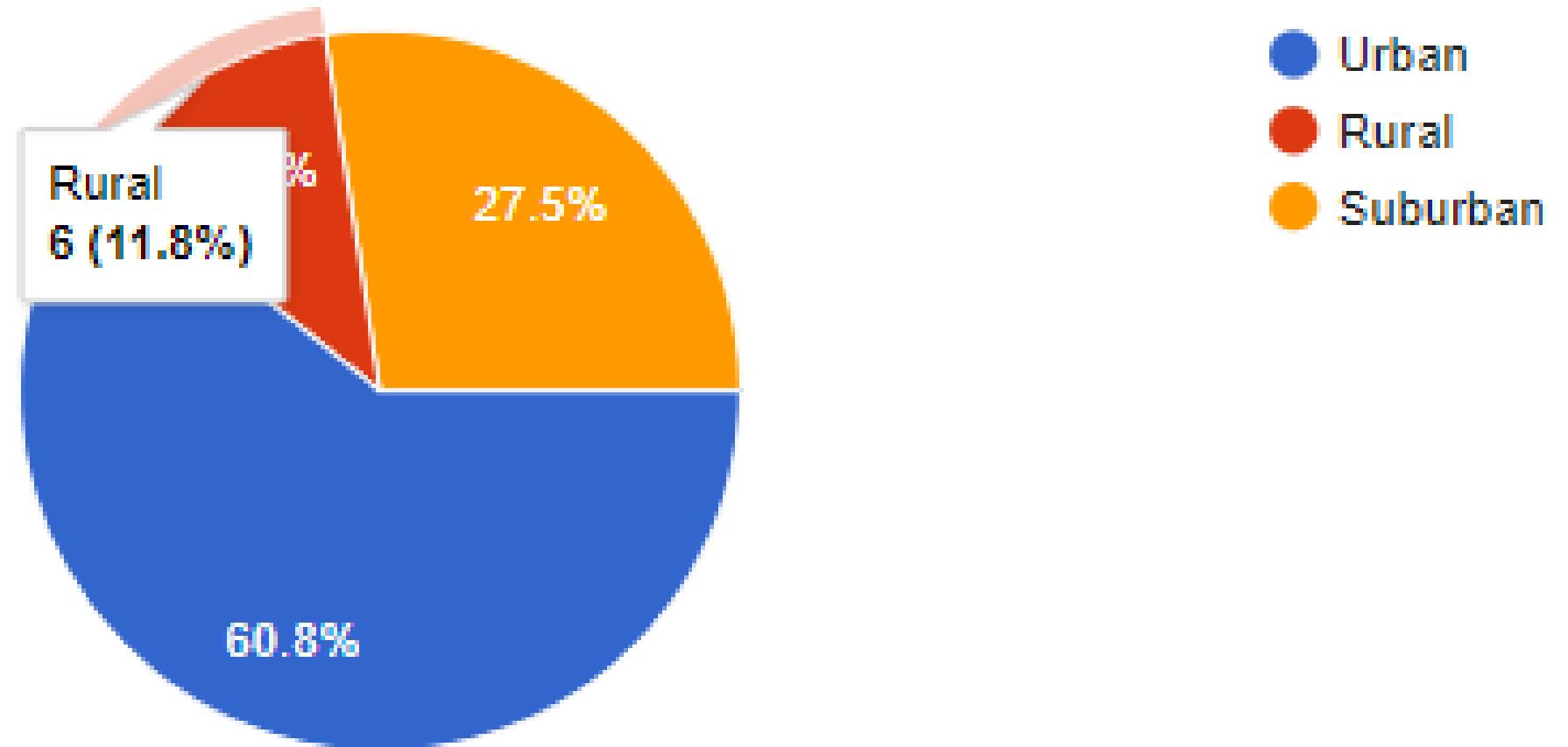
52 responses



What is your location?

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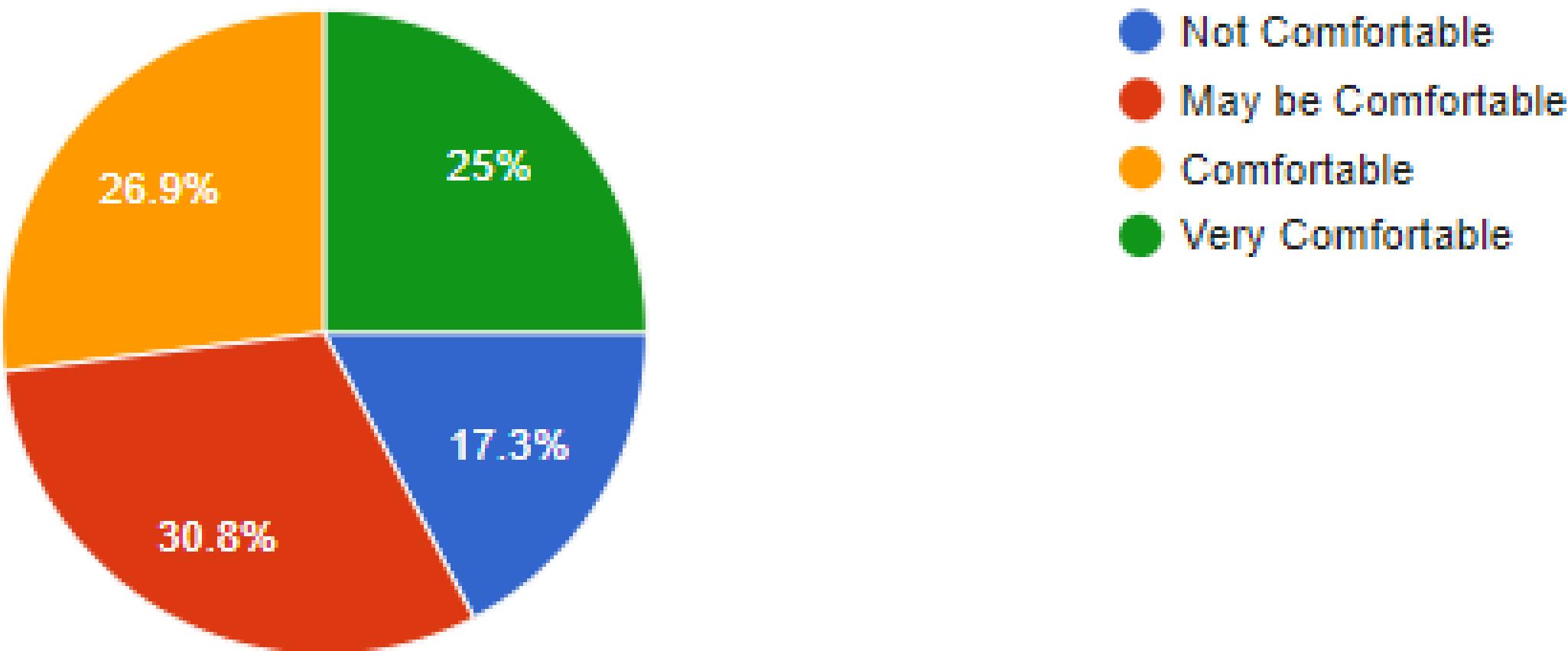
51 responses



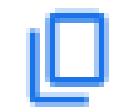
How comfortable are you with using online platforms?

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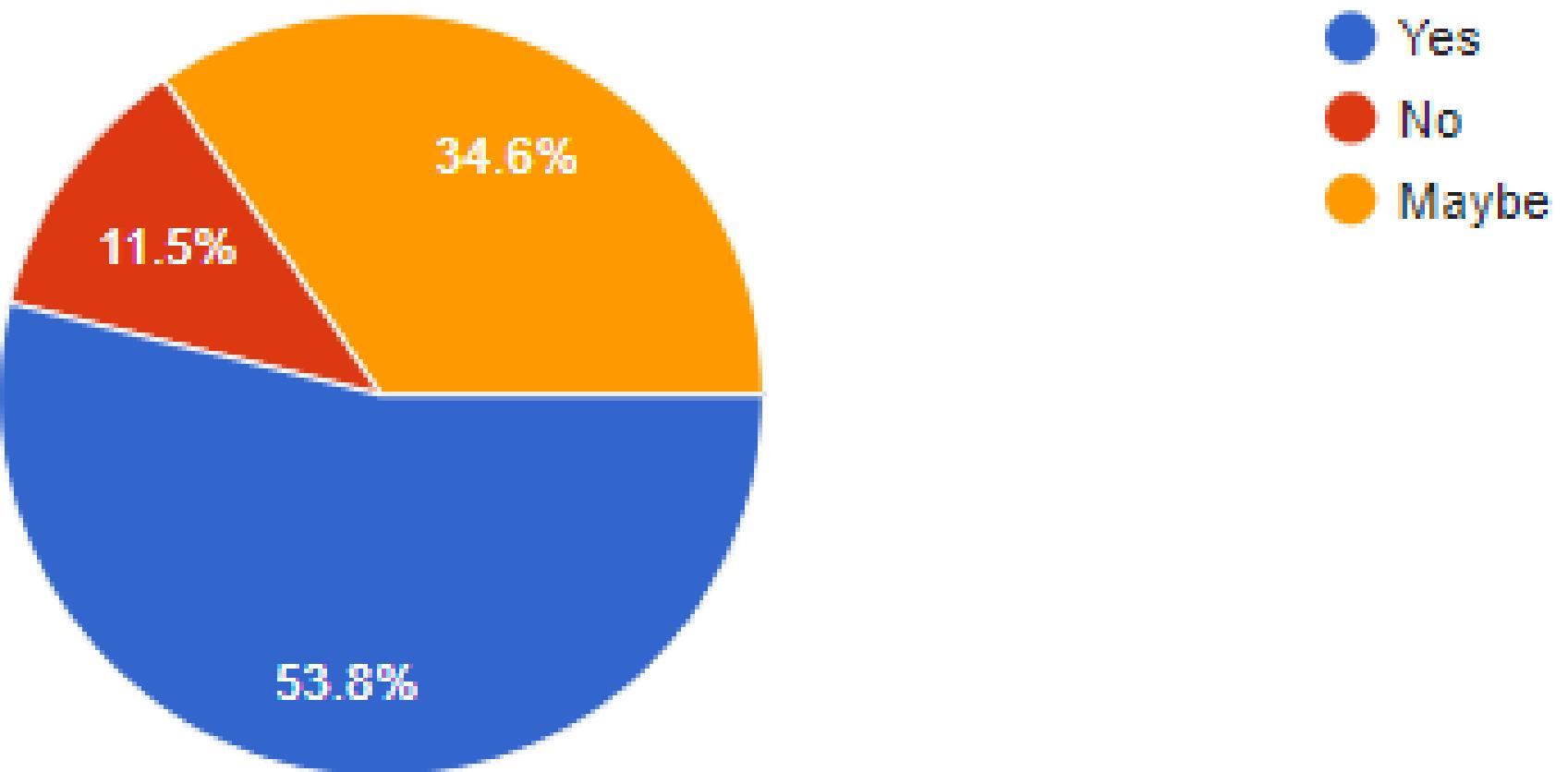
52 responses



Do you face any mental health related problem?

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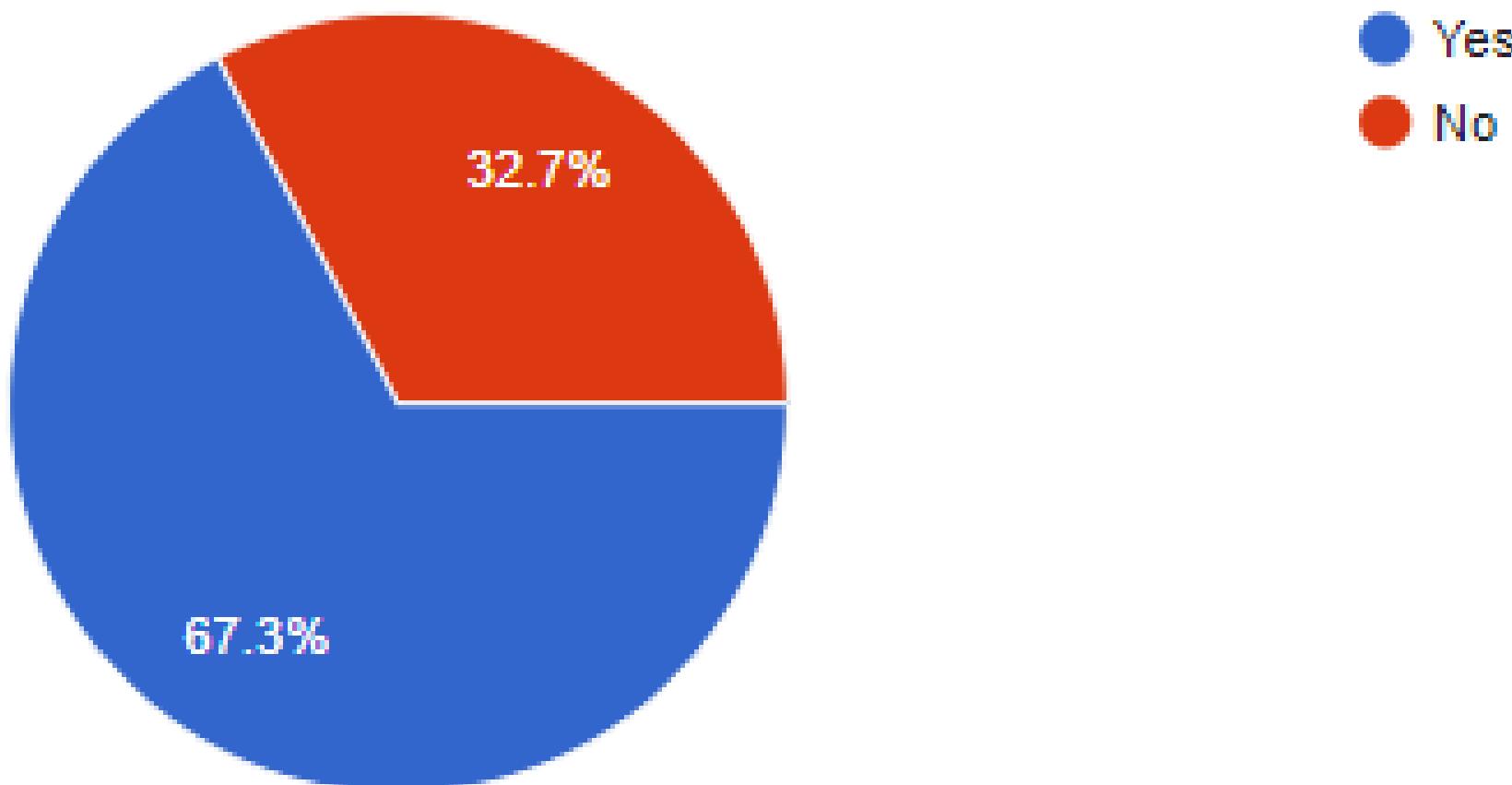
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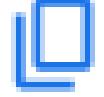
Have you or someone you know sought mental health care in Bangladesh?

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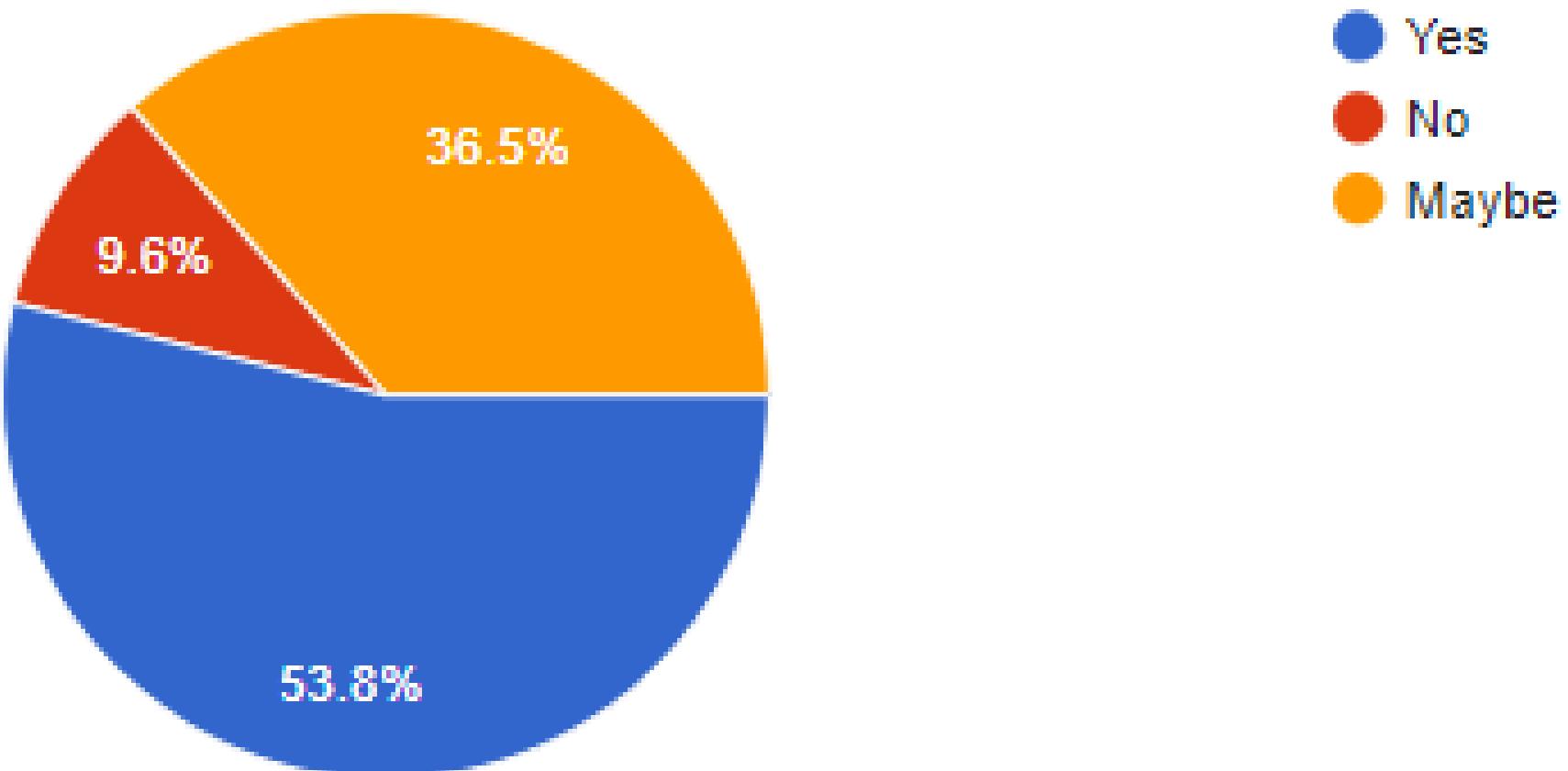
52 responses



Would you consider using an online platform for mental health counseling?

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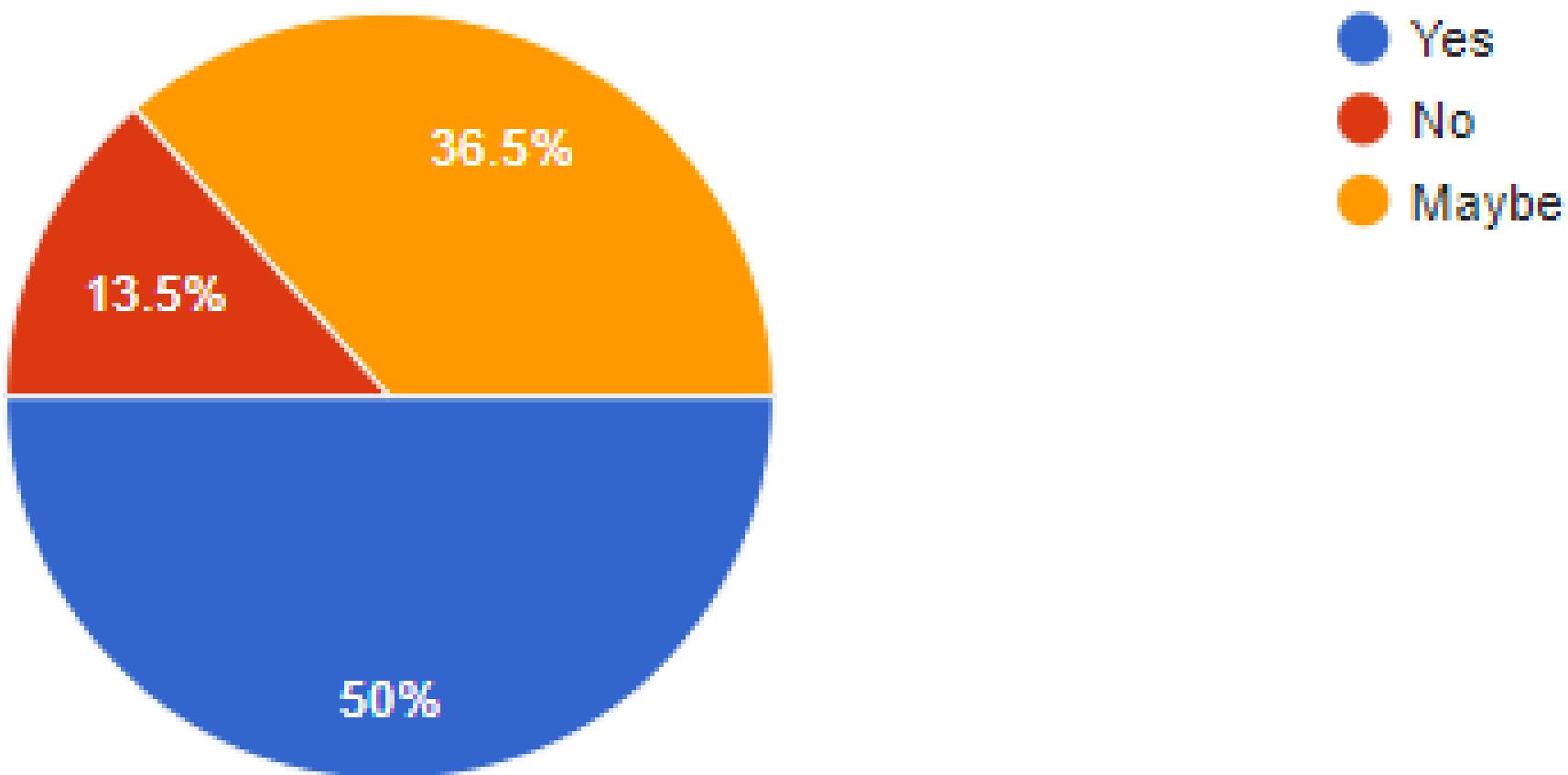
52 responses



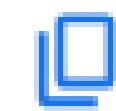
Would you be willing to pay for online mental health services if they are affordable and convenient?

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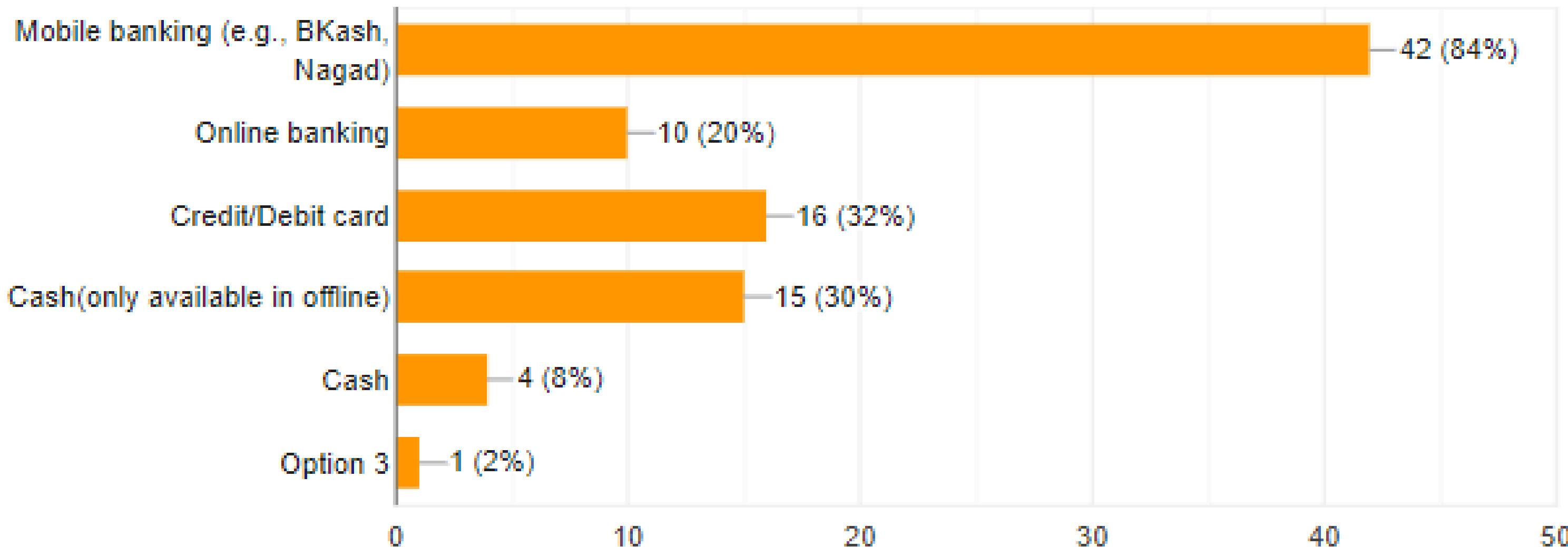
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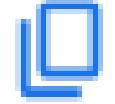
What payment methods do you prefer? (Select all that apply)

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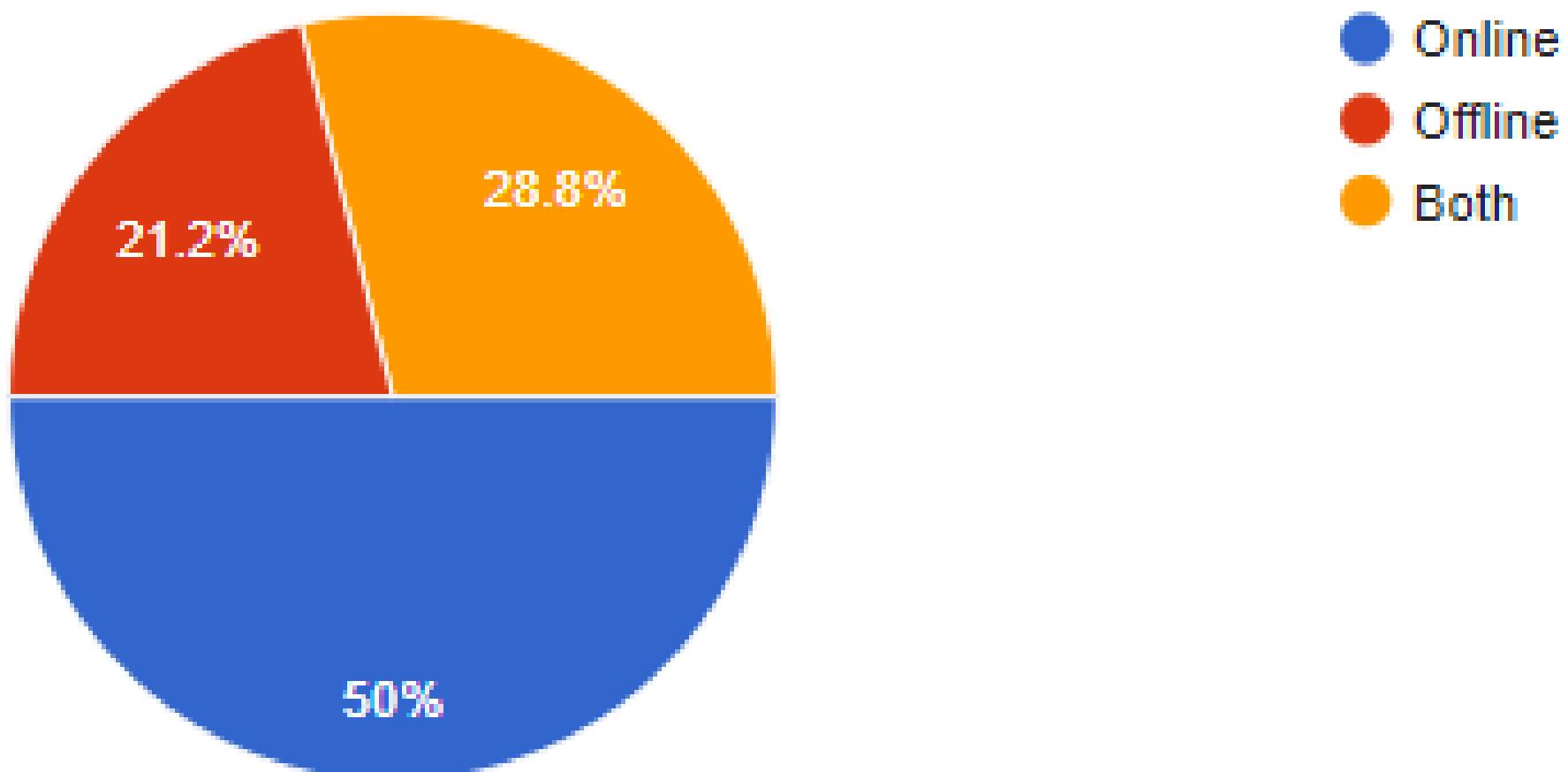
50 responses



Did you opt for online or offline counseling?

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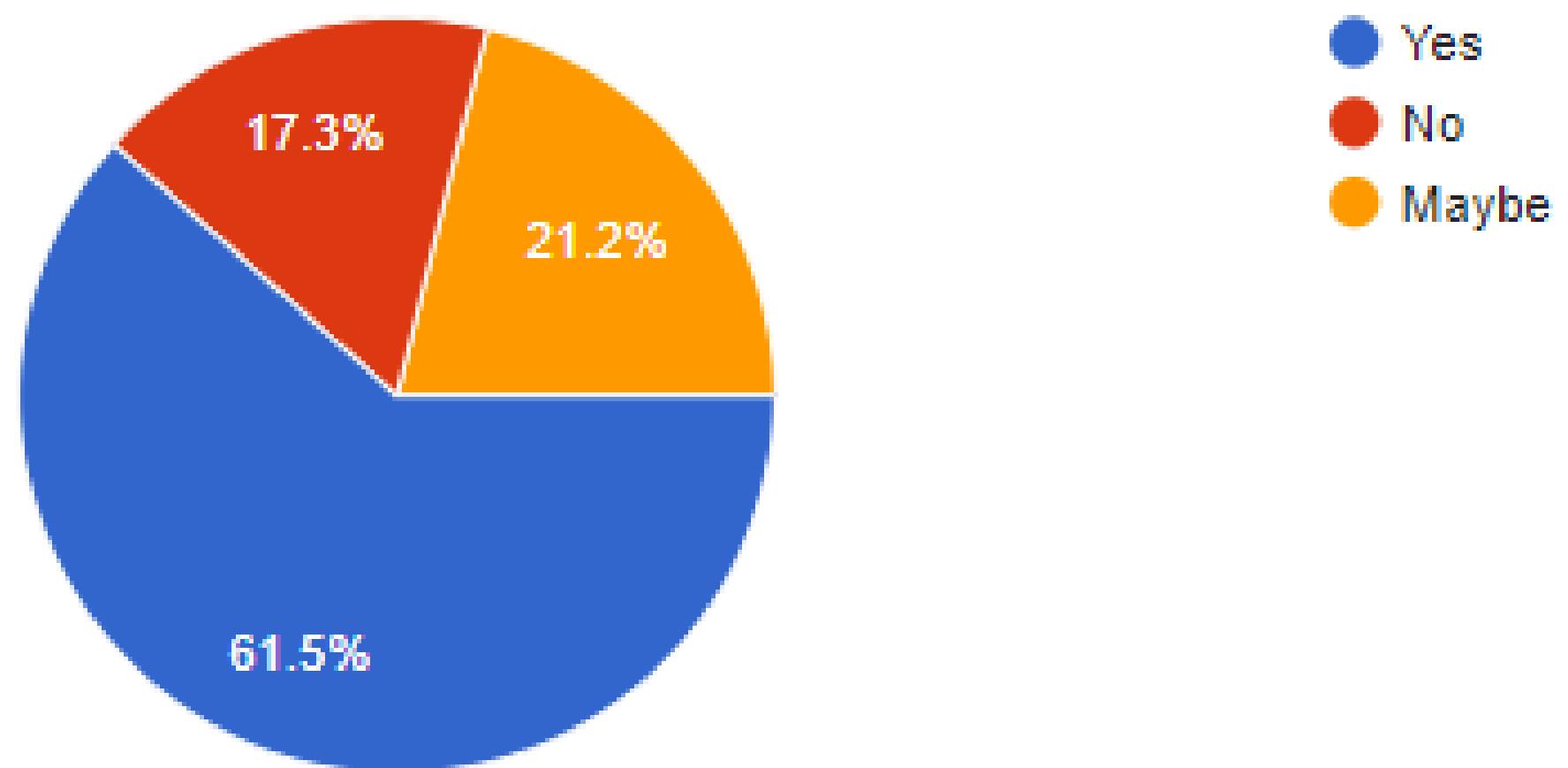
52 responses



Did you complete an evaluation form after your counseling session?

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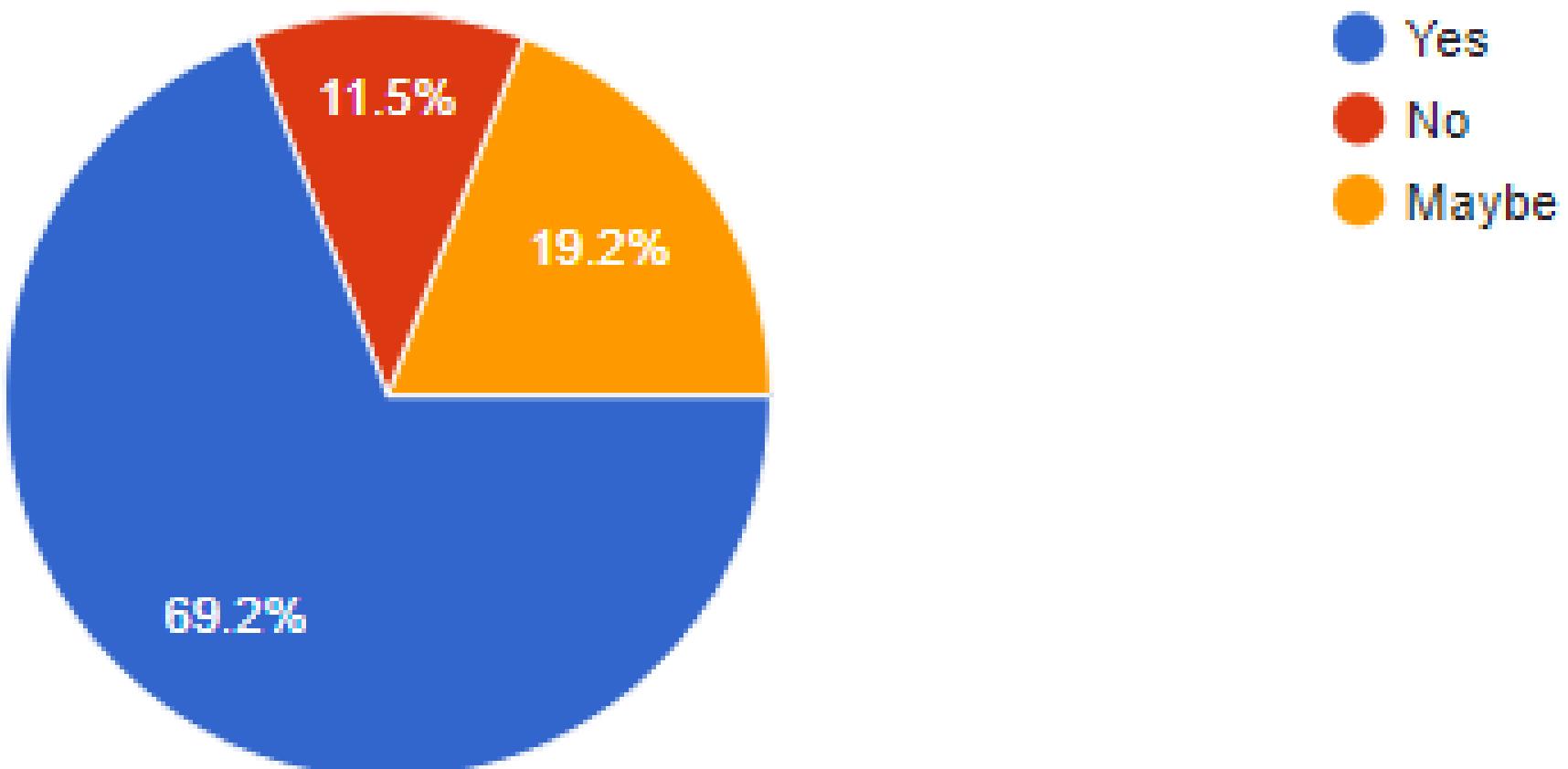
52 responses



Did you receive adequate follow-up support after your counseling session?

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52 responses



Complex Engineering Problems:

P1(Depth of knowledge required):

- existing models with similar goals (k8)
- Data collection And ML design (k3, k4)
- Design and Implementation (k5, k6)
- data collection from user studies, survey (K7)

K1–natural sciences

K2 –mathematics

K3 –engineering fundamentals

K4 –specialist knowledge

K5 –engineering design

K6 –engineering practice

K7 –comprehension

K8 –research literature

P2(Conflicting technical requirements):

- Build a Machine Learning model with low variance but primarily, we have no data.

Complex Engineering Problems:

P3(Depth of analysis required):

- Select a specific machine learning algorithm from many alternatives
- Select specific data from the feedback report analysis.

K1–natural sciences
K2 –mathematics
K3 –engineering fundamentals
K4 –specialist knowledge
K5 –engineering design
K6 –engineering practice
K7 –comprehension
K8 –research literature

P4(Familiarity of issues):

- we are not so much familiar with mental health problems

Complex Engineering Problems:

P5(Extent of applicable codes):

- Maintain ethical standards
- Need permission before using patient data

P6(Extent of stakeholder involvement & conflicting requirements):

- Different stakeholders may have different needs.

P7(Interdependence):

- project has many interdependent sub sections.

LANGUAGE AND TOOLS

- HTML
- CSS
- JavaScript
- PHP
- MySQL

Framework

Tailwind CSS

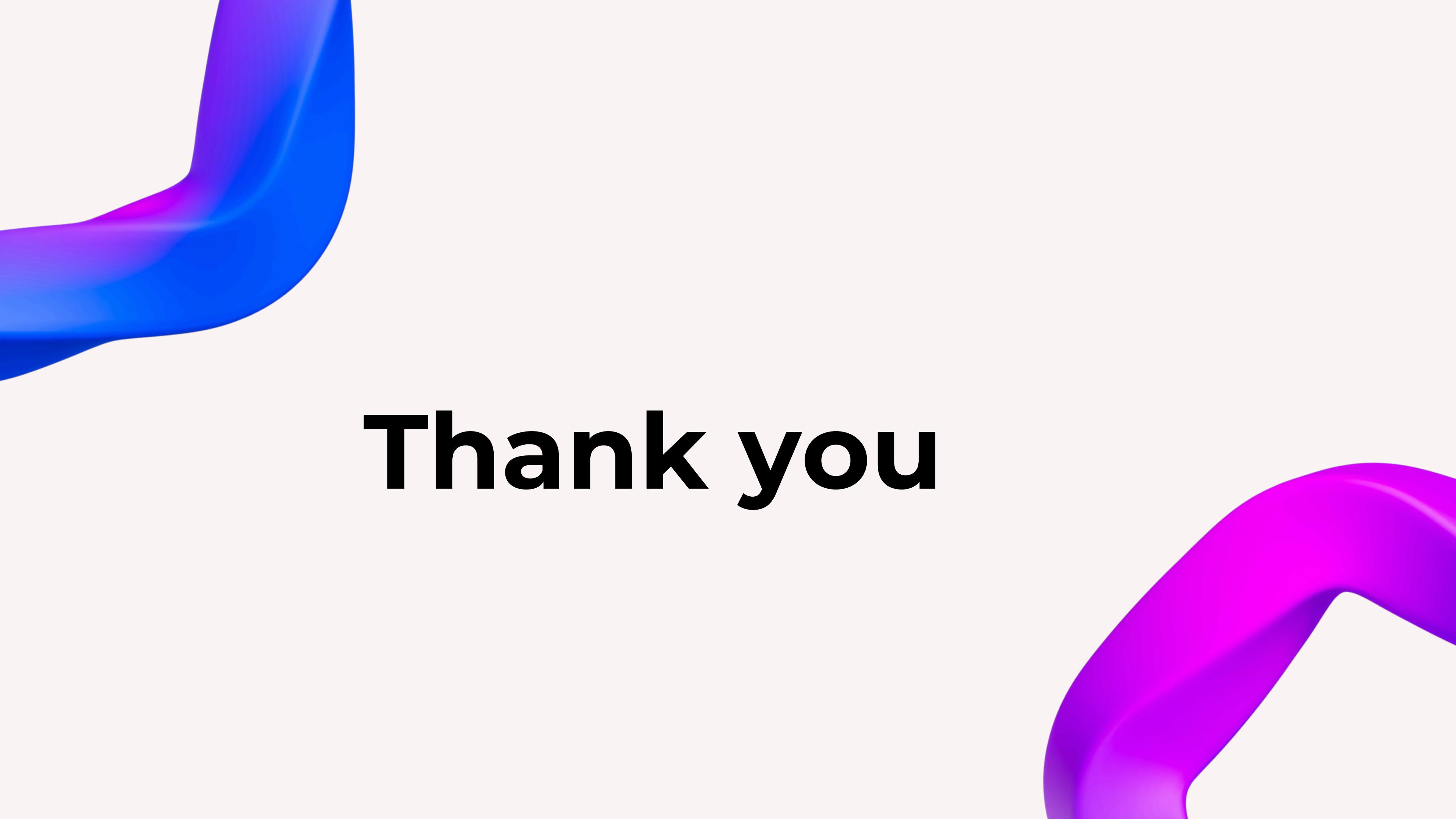
Laravel

Library

React

Conclusion

In short, the online platform helps people in Bangladesh get mental health support easily. It connects them with qualified mental health professionals, makes scheduling and payments simple, and aims to improve mental health for everyone.



Thank you