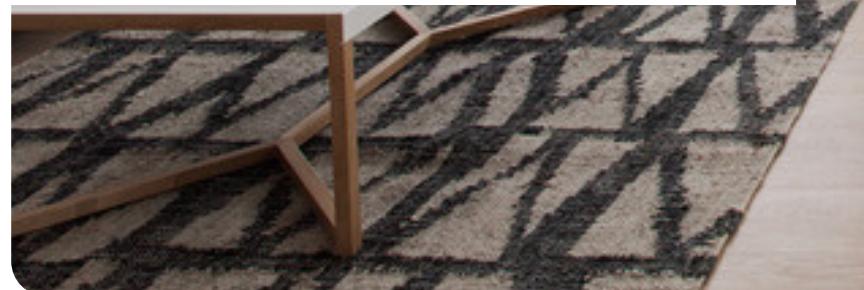


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• • •
• • •

FINAL PRESENTATION



GROUP 42

Group 42

| | |
|--------------------|---------|
| 1) Aayush Ranjan | 2021003 |
| 2) Arnav Singh | 2021019 |
| 3) Swarnim | 2021567 |
| 4) Lakshya Agrawal | 2021535 |
| 5) Pranav Aggarwal | 2021551 |

Problem Statement

The Coronavirus pandemic has led academics, investors, businesses, and most importantly, students to re-examine their approach to education. As the world moves online, so does education. However, this calamity has left many students bereft of the learning experience a student might have hoped for. With deadlines and assessments approaching, pupils have been feeling that they're out of their depth and incapable of managing their time and goals. It is the need of the hour to create an app, that helps bring the students, back to the right track

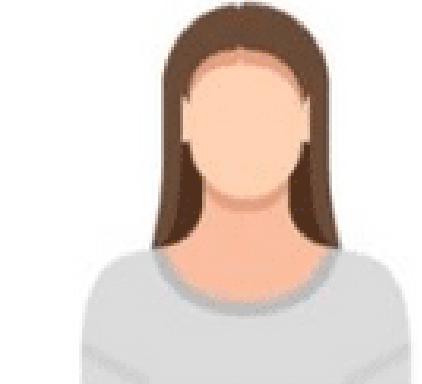
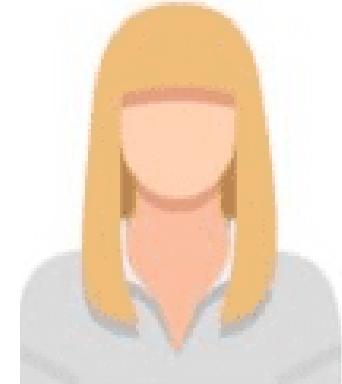
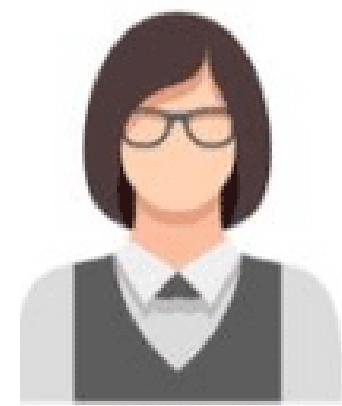
Solution Statement

Time Management, A Proper Schedule, In-depth analysis, and Appropriate Study material can collectively help revitalize the academic zest in an aspirant. questSOL has accomplished all three along with many other features which can help calm students under pressure and converge all of their efforts into a constructive output.

Contents

PERSONAS
SCENARIOS
AFFINITY DIAGRAM
STORYBOARD
INFORMATION ARCHITECTURE
LOW-FI PROTOTYPE
MID-FI PROTOTYPE
HIGH -FI PROTOTYPE
PROTOTYPE EVALUATION

PERSONAS



Nishant Kumar



"I require a service that helps to improve conceptual clarity and helps me excel at school."

Biodata

- 12 year old
- 6th grade student

GOALS

- Get a good grade in school.
- Balance academics and extracurricular activities.
- Desires holistic development to help meet his daily life's demands and challenges.

PAIN POINTS

- Lack of relevant study material in schools.
- Struggles to focus on online classes.
- Easily bored due to non-interactive classes.

NEEDS AND DESIRES

- Providing an interesting and enjoyable learning experience.
- Providing practical knowledge instead of mugging up information.
- Invokes interest in Science/Mathematics

Naman Rastogi



IMAGE BY
GENERATED PHOTOS

"I am looking for a platform
that will aid me in my JEE
preparation."

Biodata

- 16 years old
- JEE Aspirant
- 11th grade student

GOALS

- Secure a good rank in JEE.
- Get admission to his dream college.
- Improve his time management skills.
- Study efficiently in a structured manner.

PAIN POINTS

- Lack of relevant study material.
- Struggles to effectively divide his time between the three subjects.
- Unable to clarify his doubts.
- Can't keep up with the pace of the course.

NEEDS AND DESIRES

- Help him in learning at his own pace.
- Help him with a well structured course with relevant material
- Help him by providing text and video solutions of each assignment and quiz question.

Radhika Gupta



IMAGE BY
GENERATED.PHOTOS

"I want to expand my area of expertise to management roles along with my technical skills."

Biodata

- 23 years old
- CAT aspirant
- B.Tech in Mechanical Engineering

GOALS

- Secure a good rank in CAT
- Get admitted into a reputable IIM /ISB
- Wants to be successful in the management and leadership domain.
- Requires assistance in acquiring leadership skills
- Wants to alleviate her exam anxiety.

PAIN POINTS

- Lack of relevant study material on open source websites.
- Struggles to effectively divide her time among VARC,DILR and QA.
- Lack of patience required for solving problems.

NEEDS AND DESIRES

- Providing help with increasing patience for problem solving.
- Providing help with question practice in a time bound environment.
- Providing help with interview preparation, communication skills, and confidence building

SCENARIOS



Story

Kshitij is a 12th-grade student whose aim is to get into his dream college and achieve an All India Rank under 1000 in JEE. Up till this moment, he hasn't joined any coaching class and was relying solely on school for his JEE preparation. Recently, he has been finding it very difficult to cope with the pace of the syllabus and is unable to find the relevant resources in a structured manner. He often comes across his friends who have been scoring well in their coaching classes, regularly attempting mock tests, solving practice problem sets, and a lot more. Consequently, he feels afraid and left out as he is unsure of his preparation and feels that it is getting tougher to achieve his goal day by day.

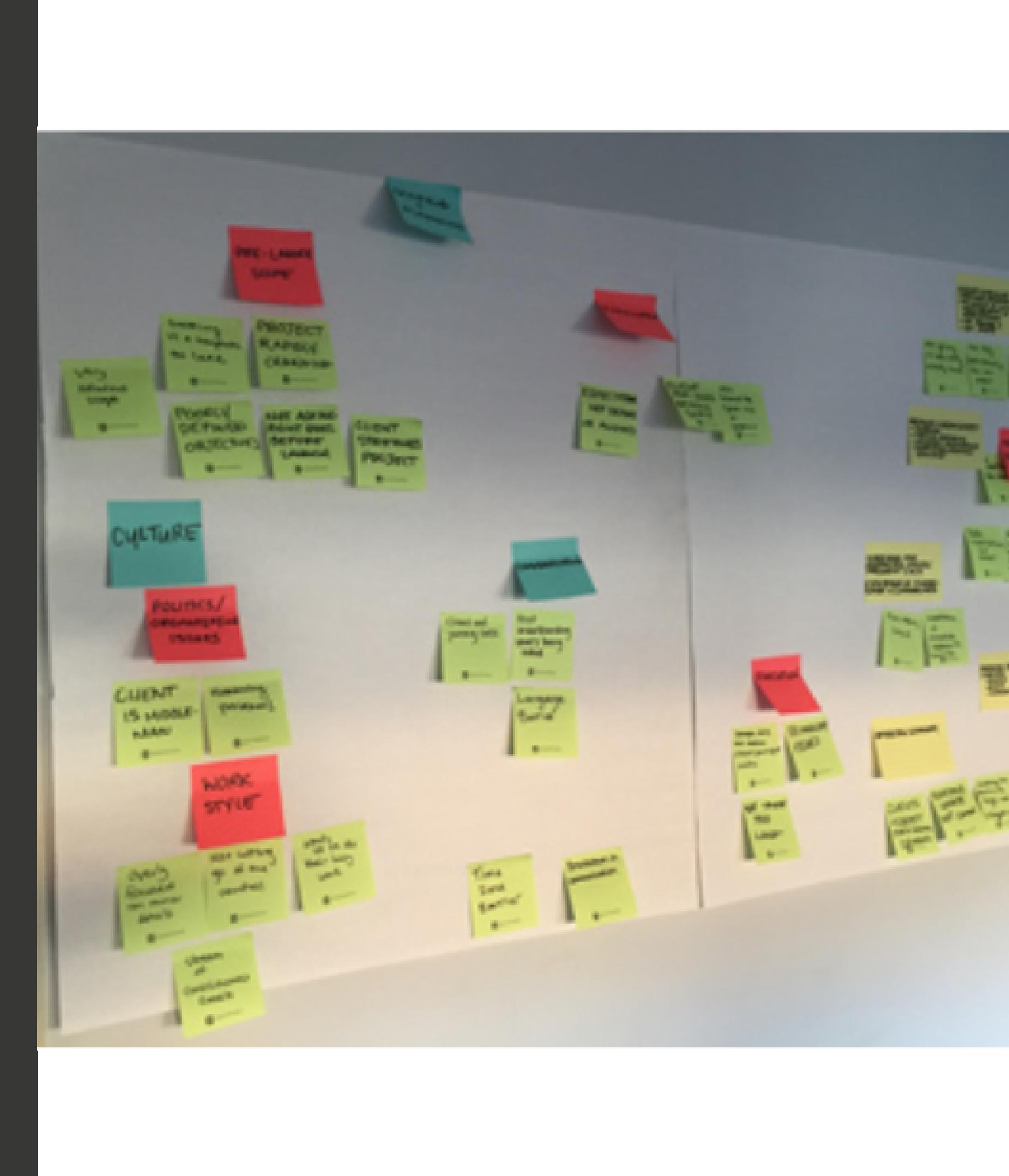
He comes across questSOL, a learning app that provides him with well-organized, structured material to study for his target exam i.e JEE. This app provides him with relevant test series with detailed analysis which helps him recognize his weak points and strong points. It also provides him with an option to set a daily target (like the number of lectures watched, number of questions solved, etc.) which helps him to structure his preparation for the long term. The most important feature of the app; which he finds most advantageous is that the courses are self-paced i.e. he can choose when to learn and how to learn. There also are added features that help him stay focused and reduce distractions.

Ergo, he is more organized as well as more confident than before about his preparation and he is on the right track to get admitted to his dream college.

Scenario Mapping

| Phases | Getting Started | | | Preparation Timeline | | | Final Analysis/Insights | | |
|----------|-------------------------------|---|---|--|---|--|---|---|--|
| Steps | User signs into the app | User selects their class | User selects their desired target/goal | Discovers structured resources | Sets their daily target/goal | Selects a quiz related to the target/goal | Updates the user about the progress on the goal | Gives SWOT analysis of the quizzes | Gives suggestions for further study material |
| Actions | User creates a new account | User selects their class and their target | This creates a profile which will later help in tracking the target progress. | Opens the app and finds resource material in an organised fashion. | Finds practice problems sets with filters like difficulty level, topic wise, etc. | Finds topic wise and full syllabus quizzes | Finds an option to set a daily target/goal. | App records the progress of the preparation and sorts the problems according to the filters | Finds the progress of their preparation and tasks completed. |
| Thinking | Is this app relevant for me ? | Is my privacy being compromised? | | Where should I start? | Wow, there is an option to filter as well. | Is the difficulty level relevant to my target? | Will there be reminders for my goals? | How do I recover from a bad score in the quiz? | What happens if I fail to complete a daily goal/target? |
| Feelings | Confused | Intrigued | | Anxious | Amazed | Unsure of their capabilities | | Worried | Wondering if they can cope with the competition. |

AFFINITY DIAGRAM

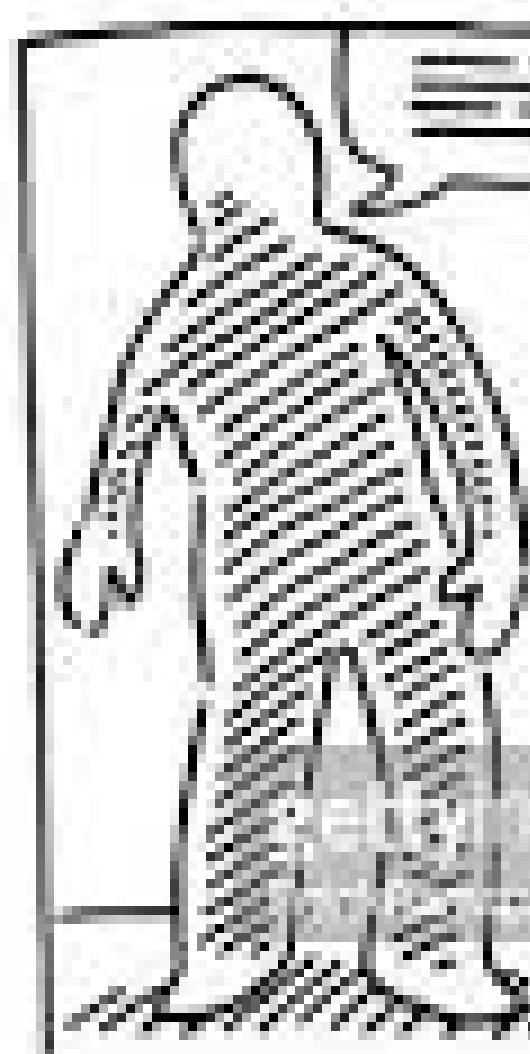
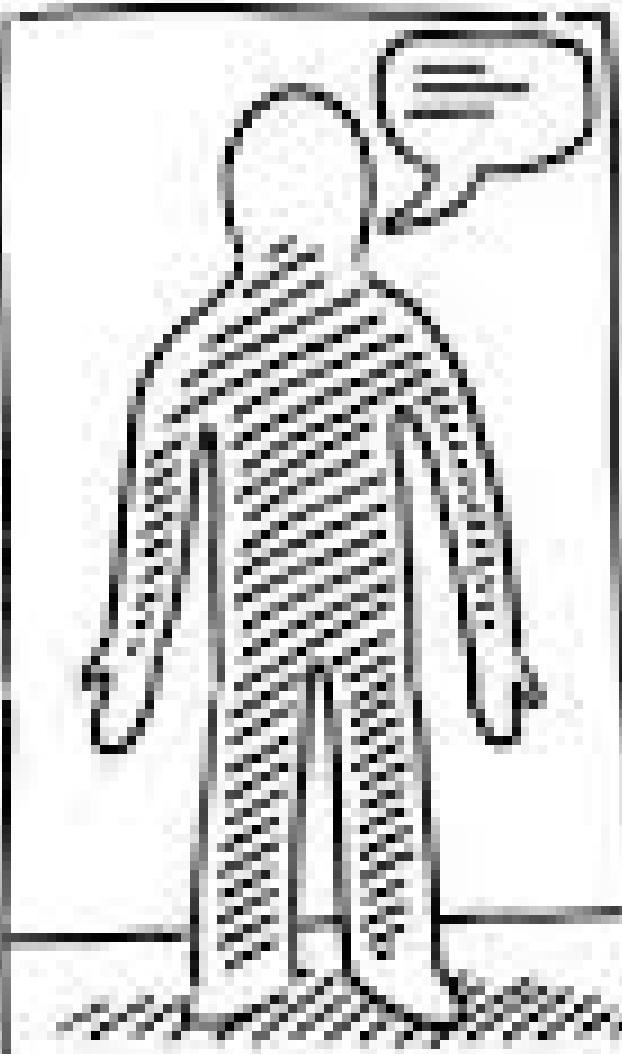
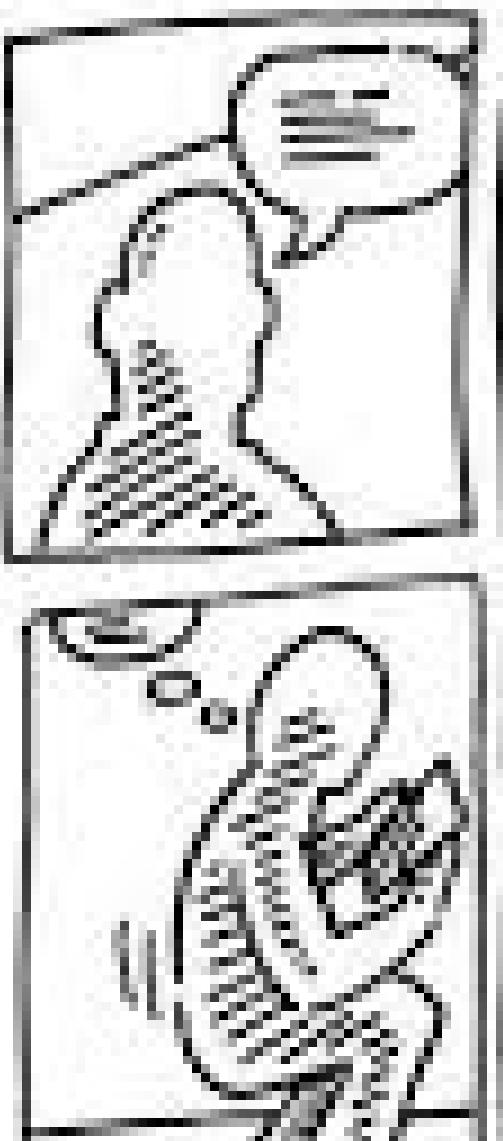


Affinity Diagram

Efficient and Structured Study

| Tried and Tested Features | Detrimental aspects | Ideas | Complaints | Suggestions |
|---|---|--|---|---|
| Easy-to-use In-Depth notes allow extensive preparation | Not happy with current performance and want to improve Hard to focus for more than 40 minutes while studying | Streaks can be added to boost students' confidence The App needs to be more interactive | Unable to take screenshots User experience ruined due to excess Pop-up ads and promotions. | Watch history is a much-needed addition Interface should satisfy the usability goals |
| Bookmarking weak topics allows the user to remember the same. Top-score burden allows students to explore each topic rigorously | Refund policies are often offbeat and require severe deliberations to resolve Discussions are significant barriers to a student's academic performance | Filters' addition will help make searches efficient Timers based on pomodoro to help bring out efficiency | The search bar doesn't always lead to effective results Cheap tactics to elicit prospective users' responses | Better doubt resolving interface is needed Courses should cater to regional-linguaphones |
| Well-defined and simple pathway to resolve queries Designs custom schedules for students based on their academic performance and goals | Lack of offline classes' camaraderie | Grades can be improved with every exam with the aid of SWOT analysis Doesn't require a lot of credentials for the login process | Financial problems restrict students from accessing online facilities Comment box should be regulated to avoid spam messages | Some students prefer others customizable according to their own patterns of fatigue and recovery. Parent mode for students of age less than 14 years |
| Provides quick access to requisite academic material | Tips and tricks helps boost the performance | Forums and discussions encourages community learning | Facing technical issues during live-class | Ensures regular testing and quizzing to reiterate previously learned concepts |

STORYBOARD

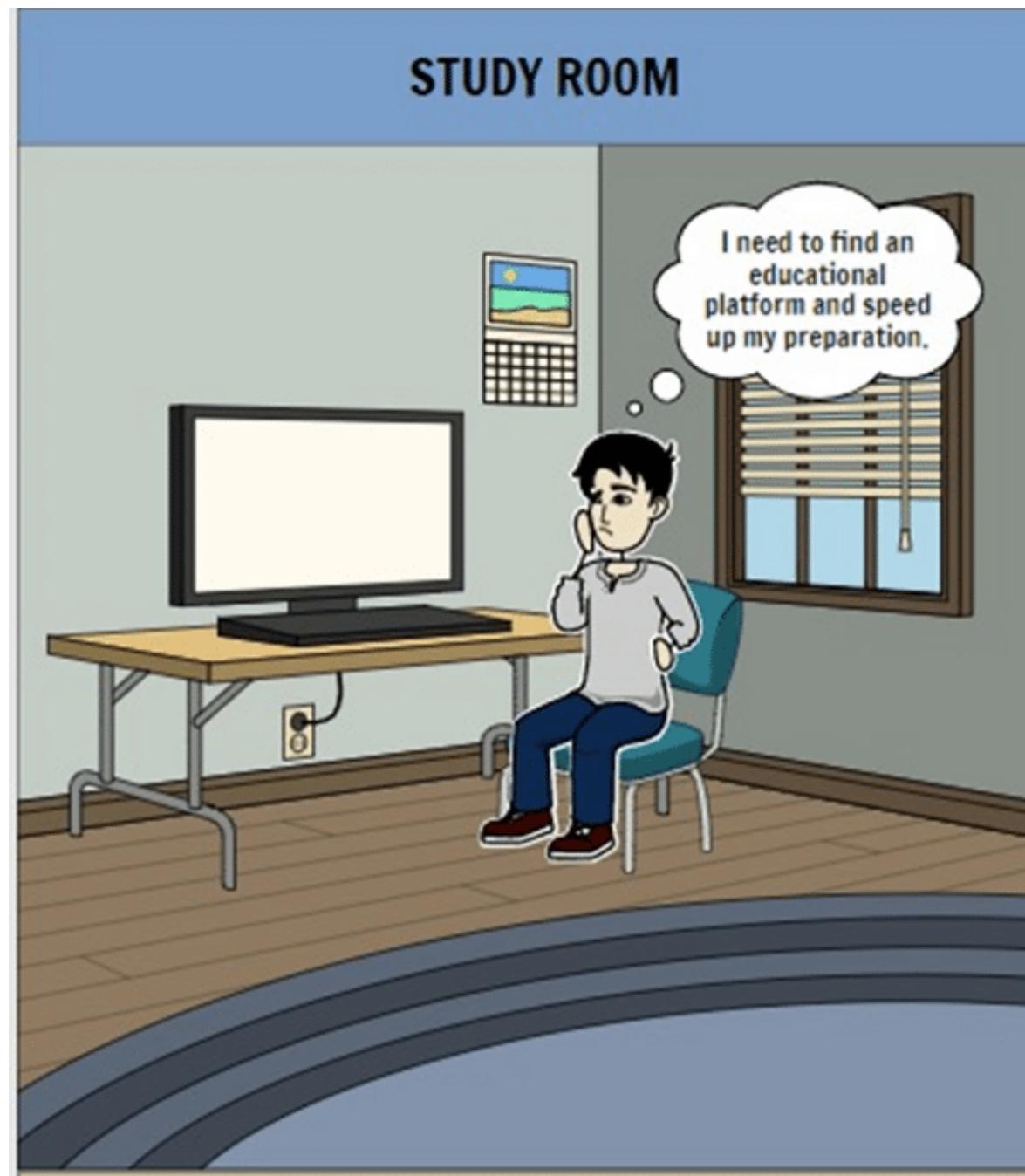


CLASSROOM



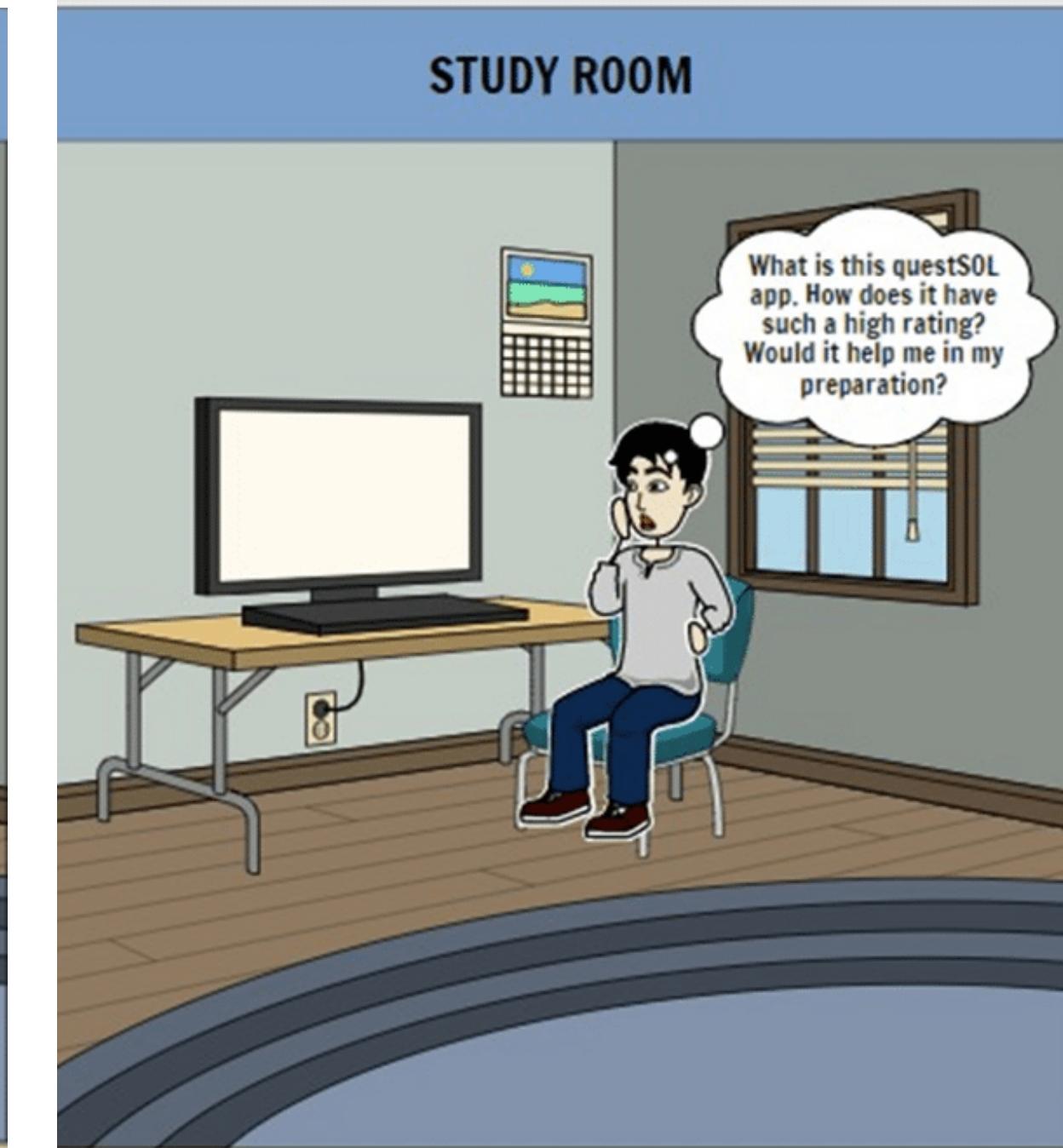
Mohit hears his friends talking about some advanced concepts from JEE syllabus and their test series performance. Hearing this, Mohit feels extremely overwhelmed and scared as he feels that his competition is way ahead of him.

STUDY ROOM



Mohit is extremely desperate now to find a platform which would help him in his preparation and take him closer towards his goal.

STUDY ROOM



He finds out about questSOL, a learning app and explores the application. He gets to know that the app has been rated very highly by its users. He now feels determined to make the best use of this opportunity and bolster his preparation.

STUDY ROOM



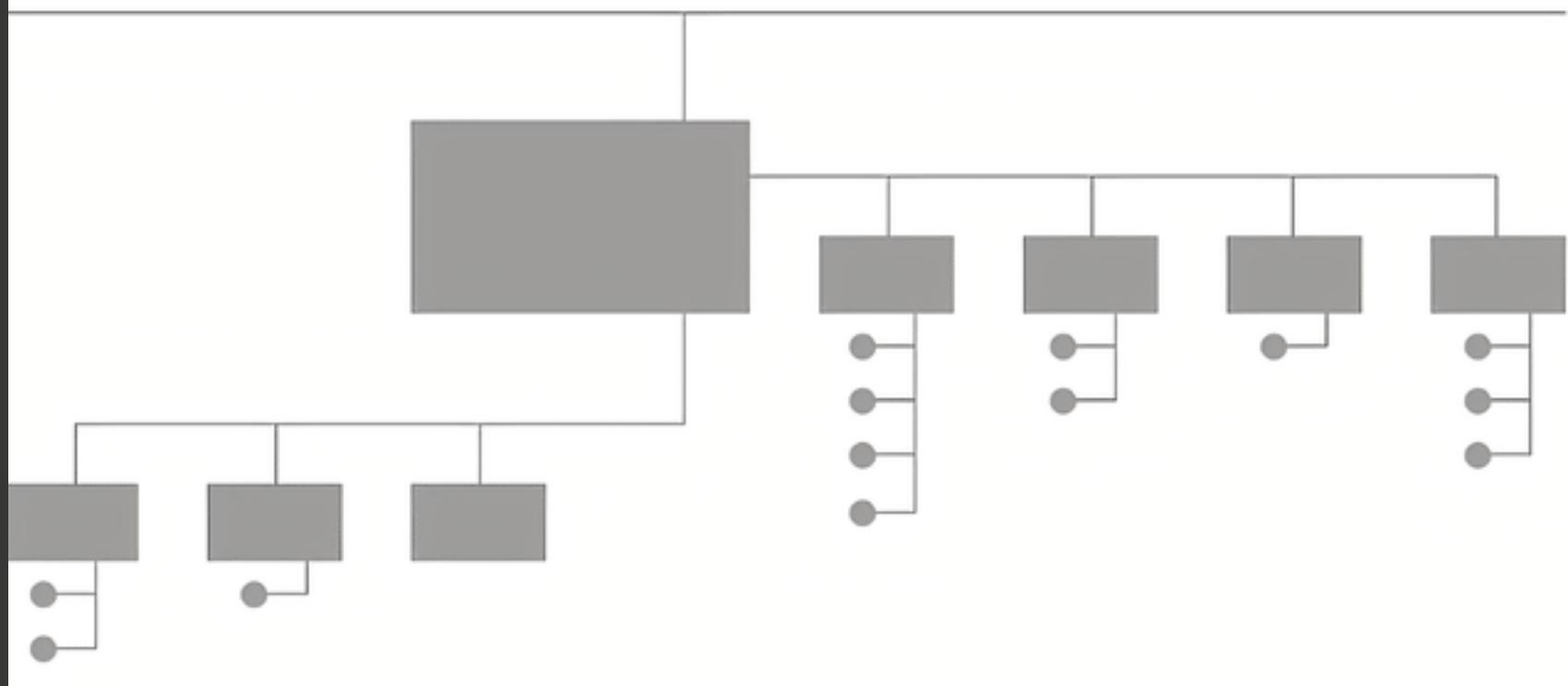
Mohit explores through all the features of the app and is now able to study very effectively and efficiently and finds the app very helpful.

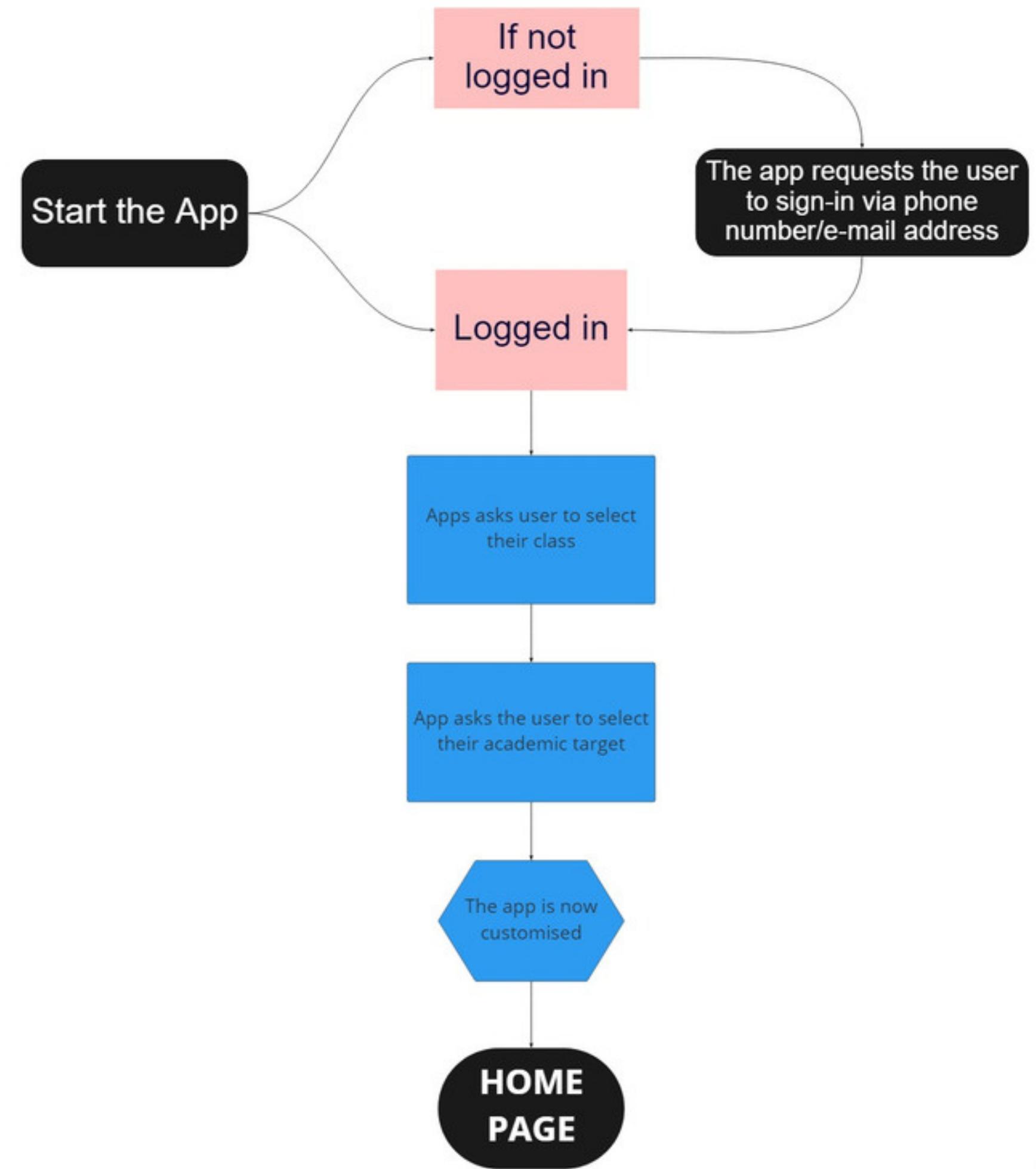
CLASSROOM



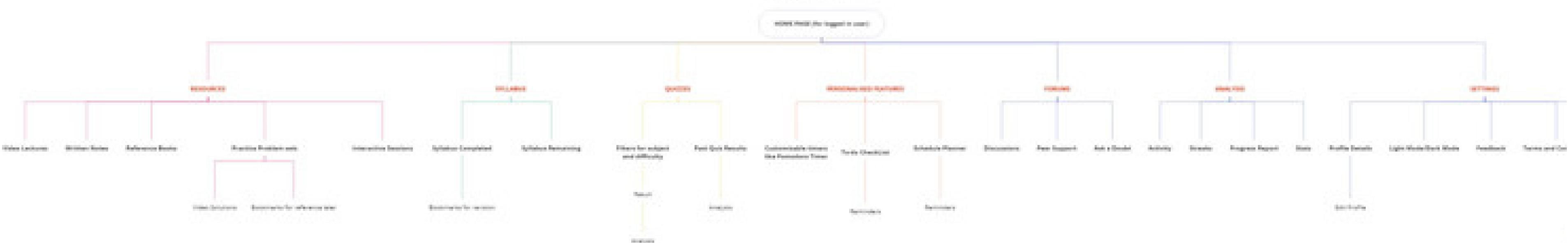
Mohit is now able to have very fruitful discussions with his classmates about advanced concepts, doubts, quiz marks and preparation in general. He now feels included and feels confident that his preparation is on the right track and believes he is closer than ever to his goal.

INFORMATION ARCHITECTURE



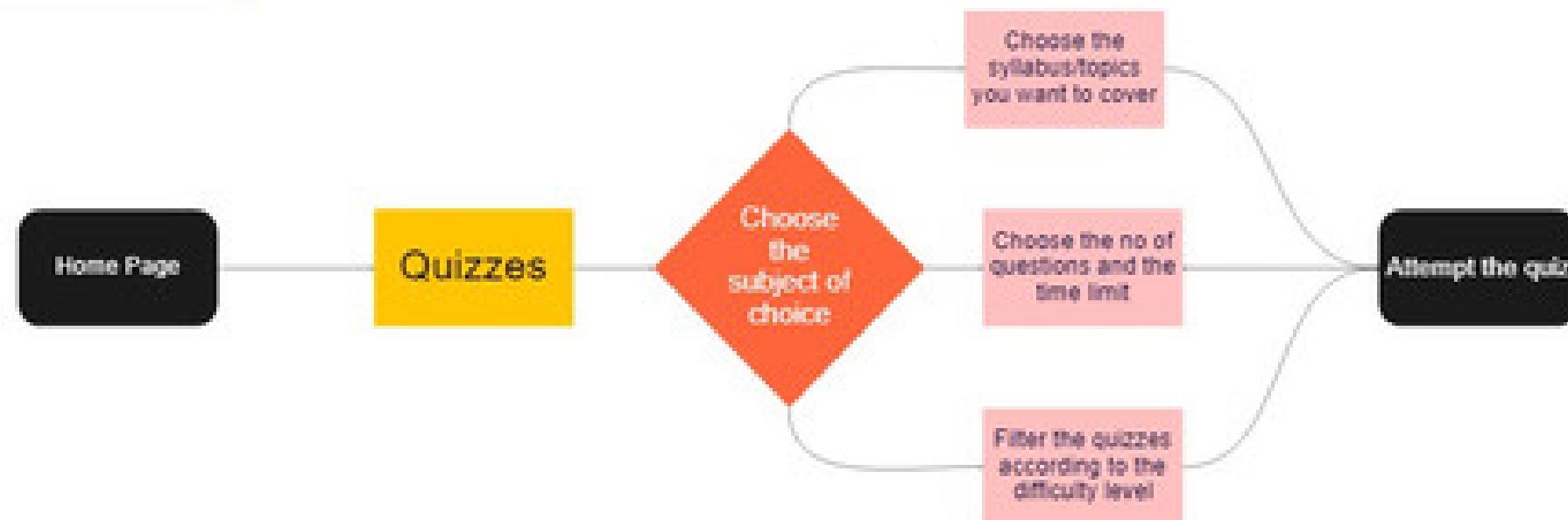


questSOL

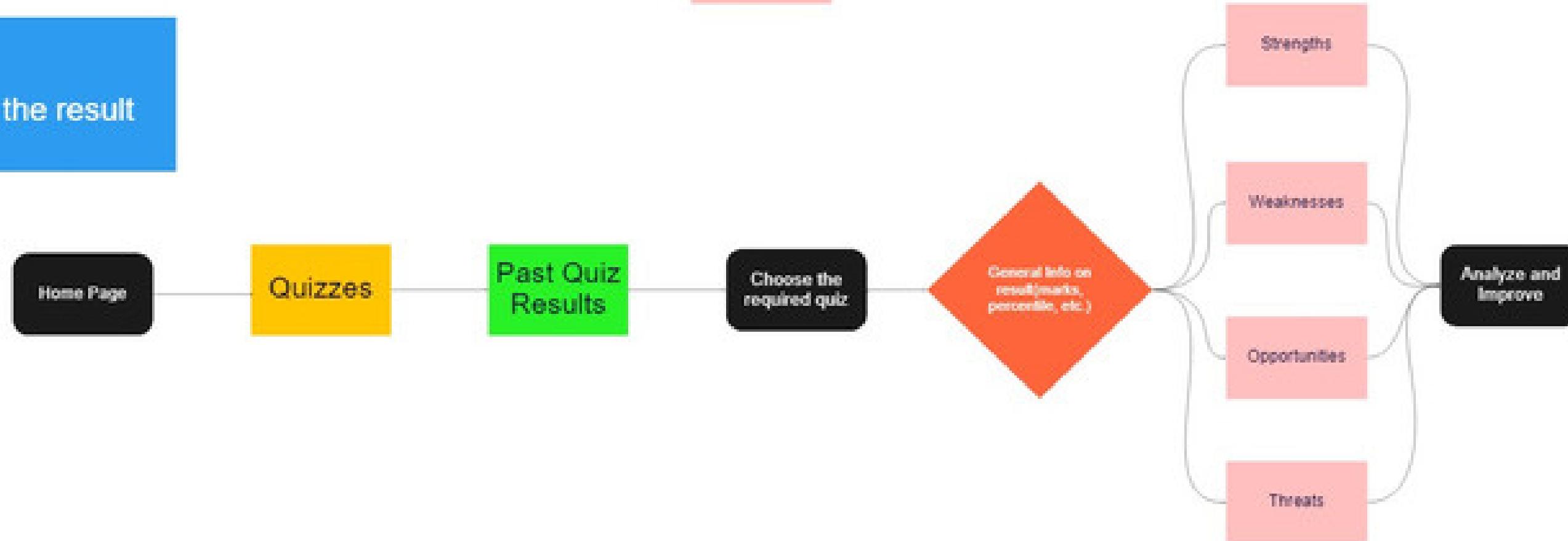


TASK FLOW

Task 1
Finding an appropriate quiz

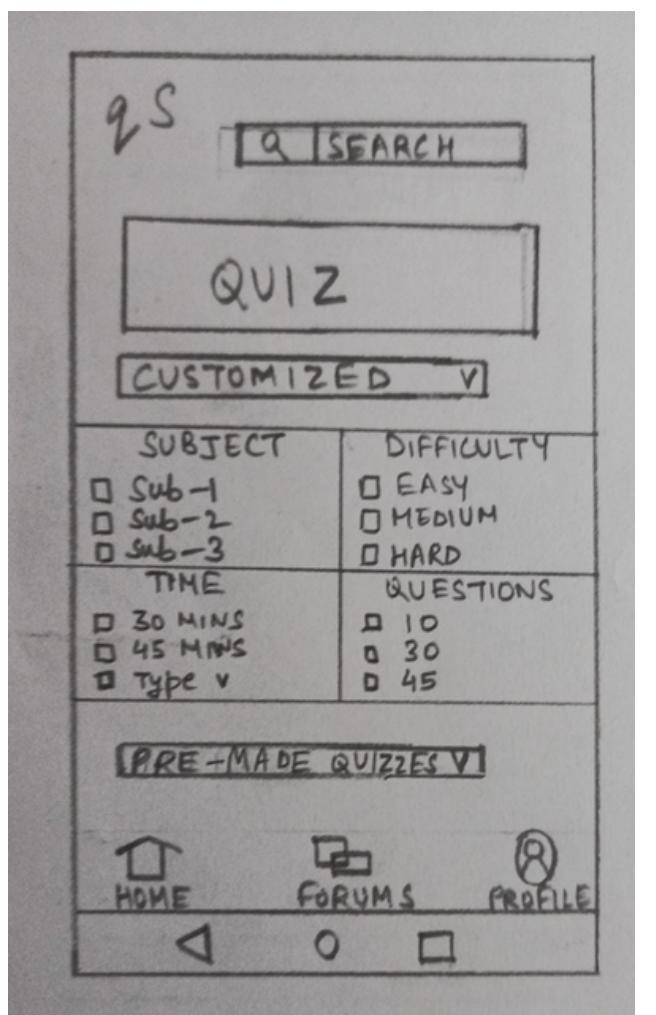
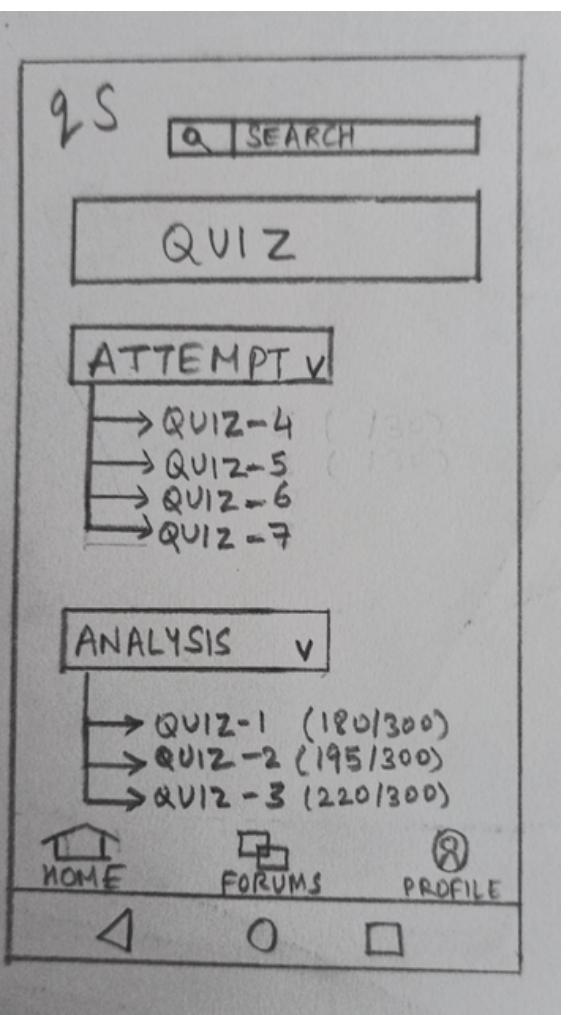
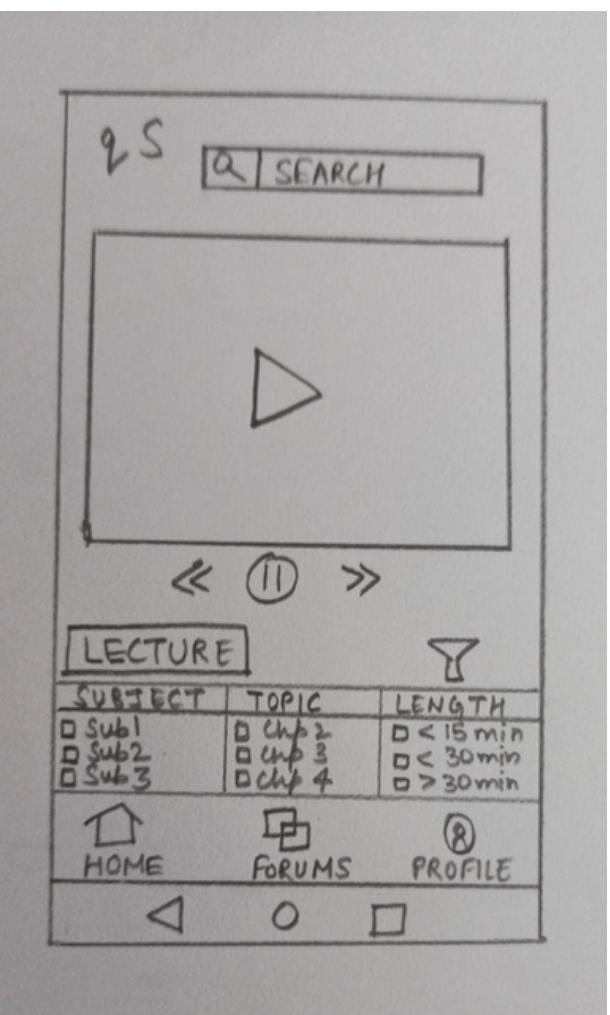
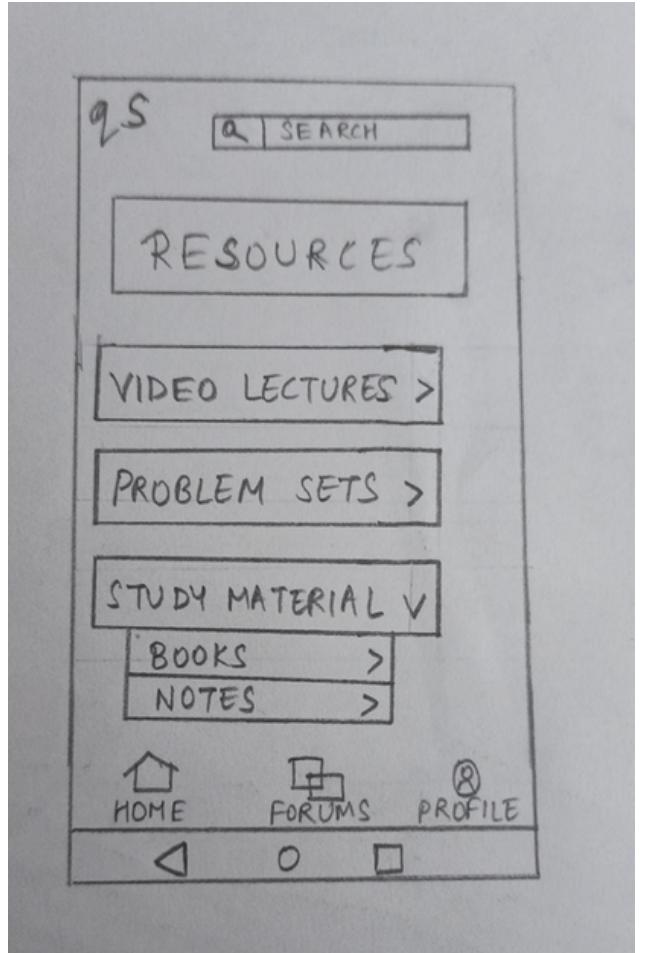
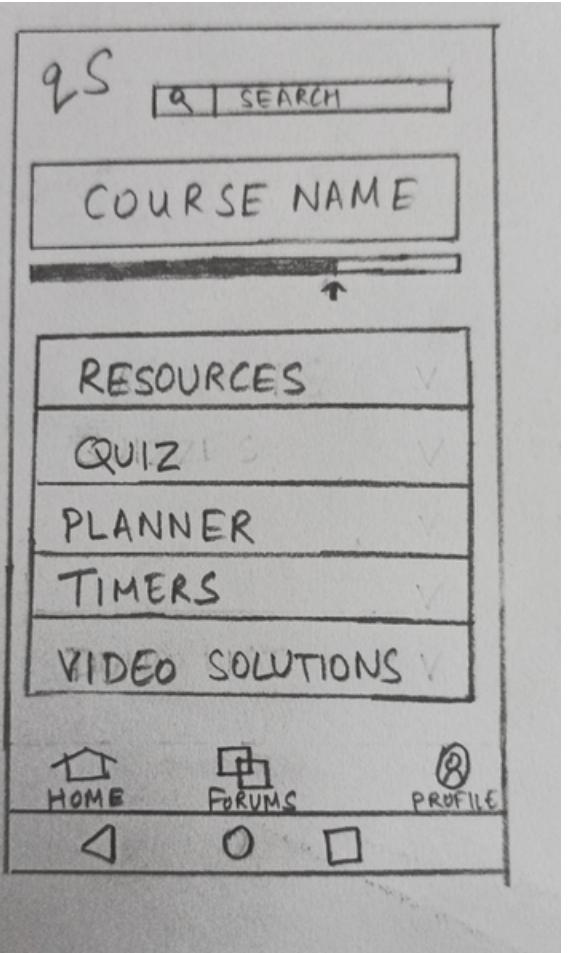
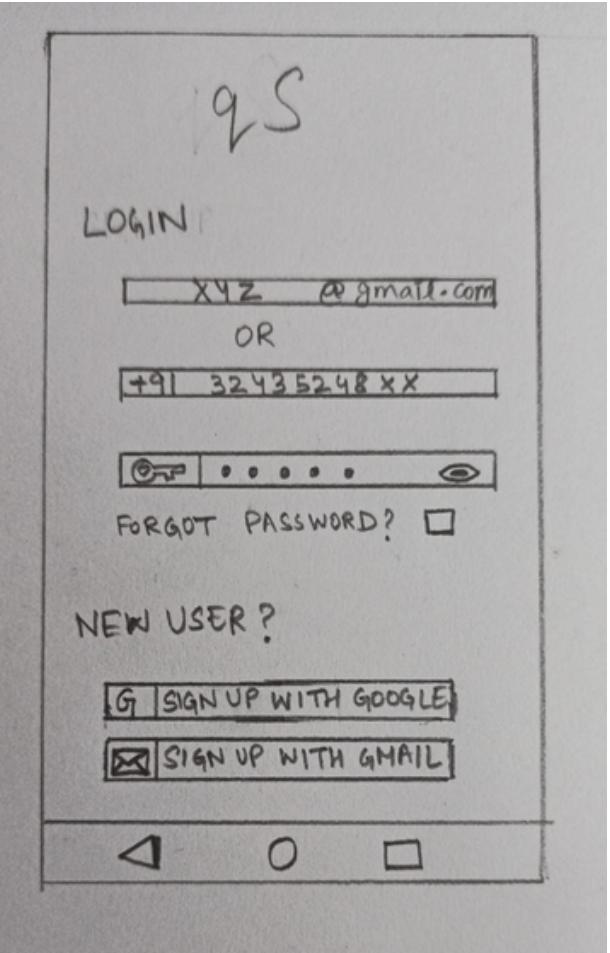


Task 2
Analysing the result



LOW FIDELITY PROTOTYPE





GS

SEARCH

ANALYSIS

MARK **QUIZ-3**

MARKS : 220/300
PERCENTILE : 99.14

| S | W | O | T |
|---------------|---------------|---------------|---------------|
| Sub1: Chp2 | Sub3: Chp4 | Sub2: Chp1 | Sub1: Chp8 |
| Sub2: Chp3 | Chp5 | Chp8 | Sub2: Chp7 |

MARKS ↑
1 2 3 QUIZ

CONGRATS!
YOUR SCORE IS IMPROVING!

HOME FORUMS PROFILE

◀ ○ □

GS

SEARCH

PLANNER

PROGRESS: 33%

CALENDAR

< 19 MARCH 2022 >

12:00 14:00 16:00

| SOLVE: PP-1 | - | TAKE QUIZ-4 |
|----------------|---|----------------|
|----------------|---|----------------|

HOME FORUMS PROFILE

◀ ○ □

GS

SEARCH

TIMER

BREAK LENGTH V

STUDY TIME V

45:00

CUSTOM

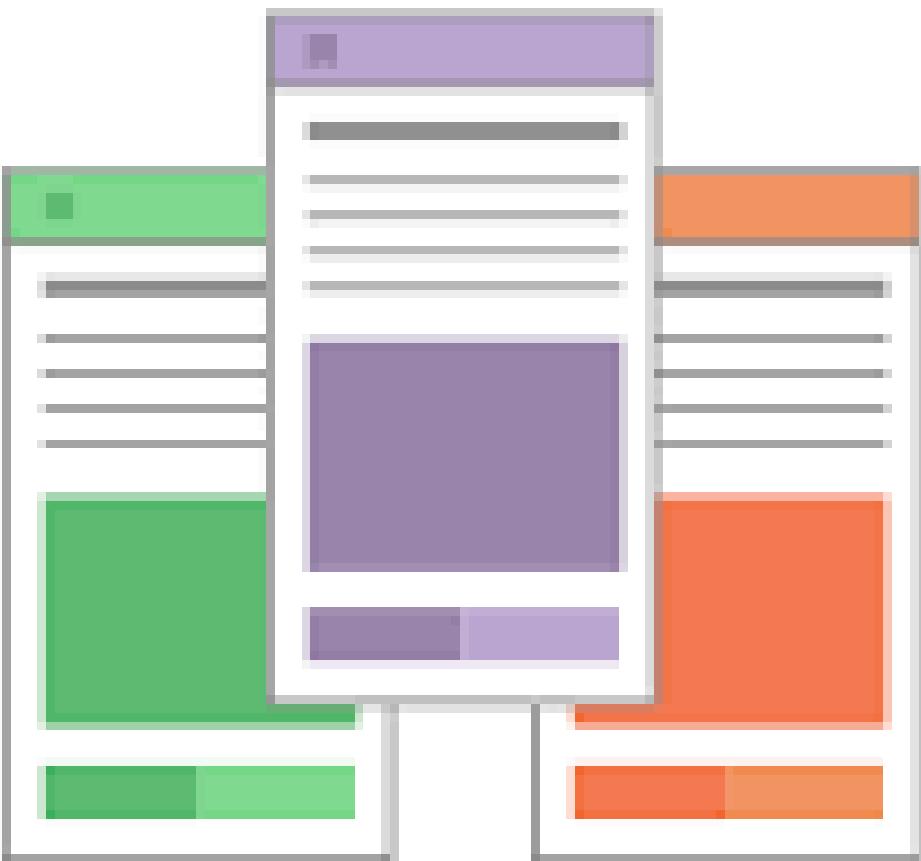
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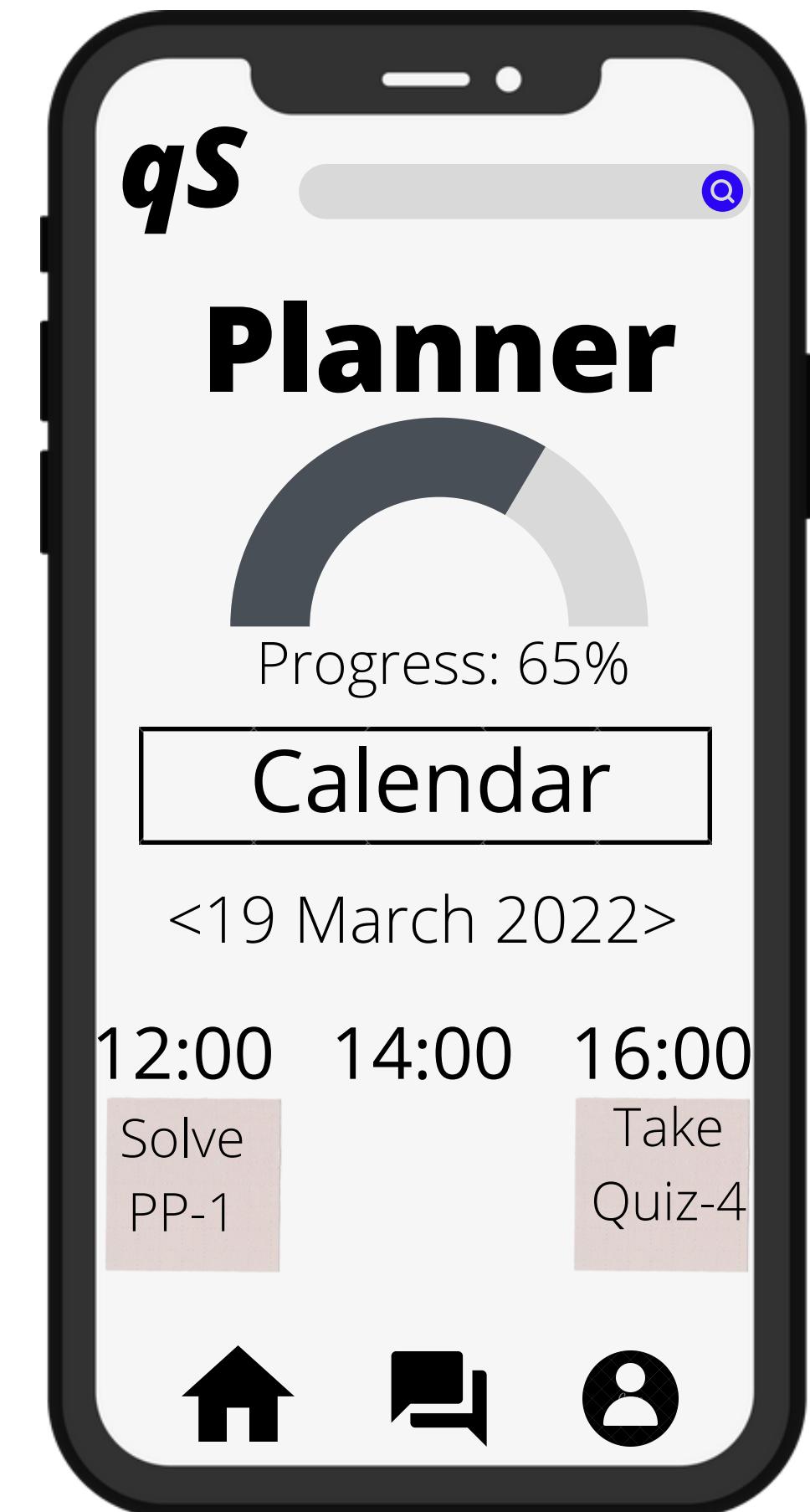
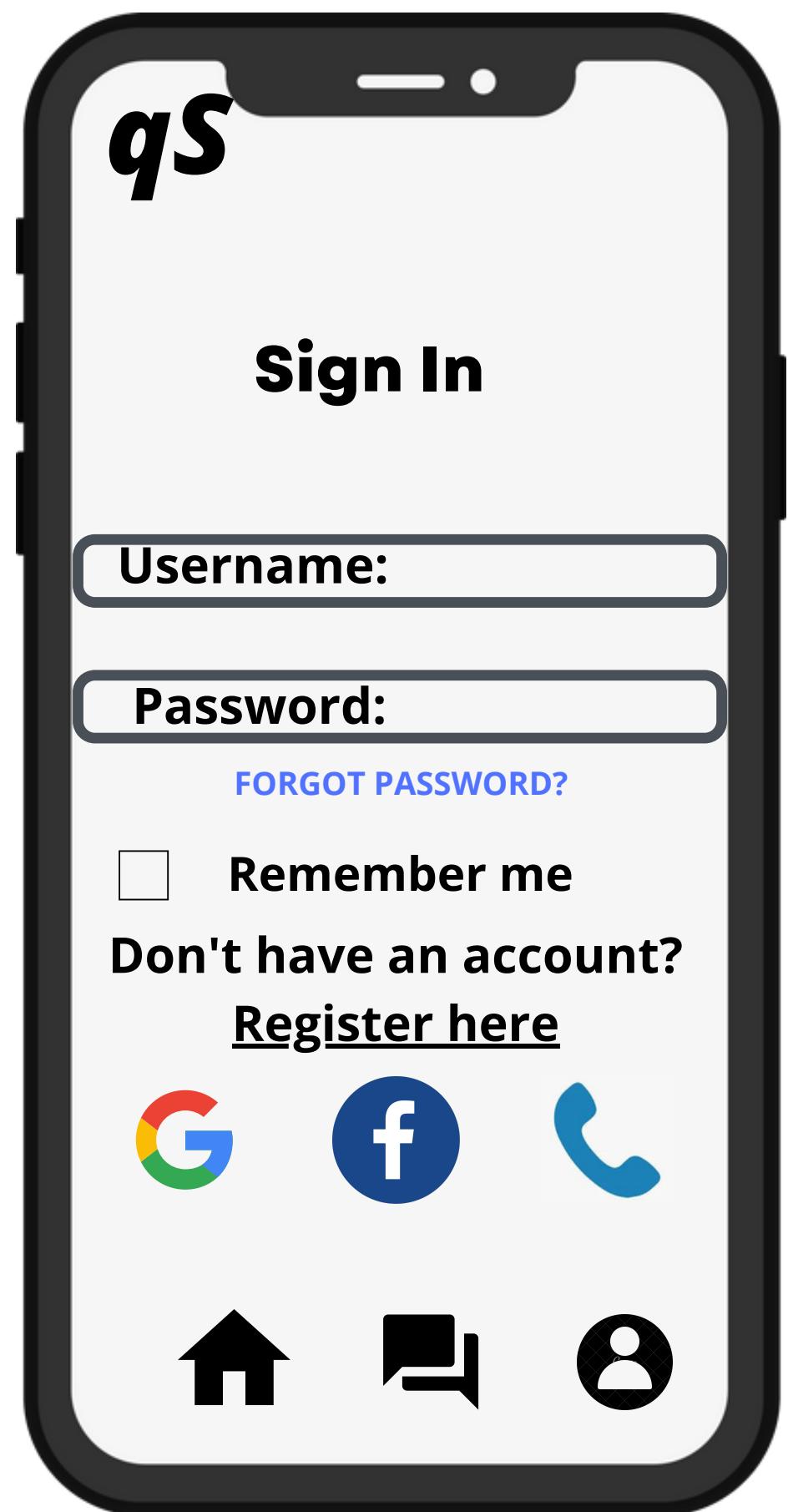
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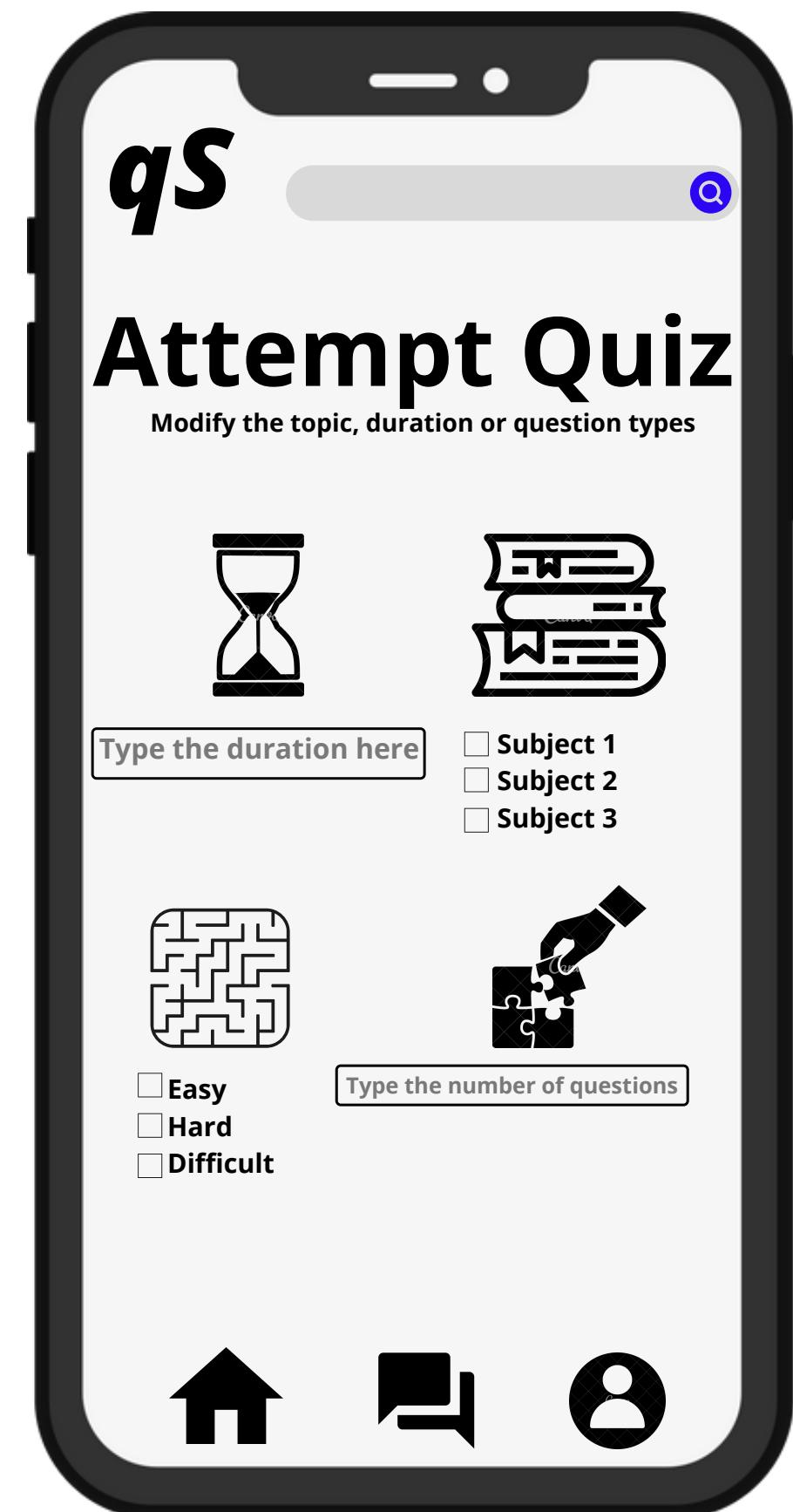
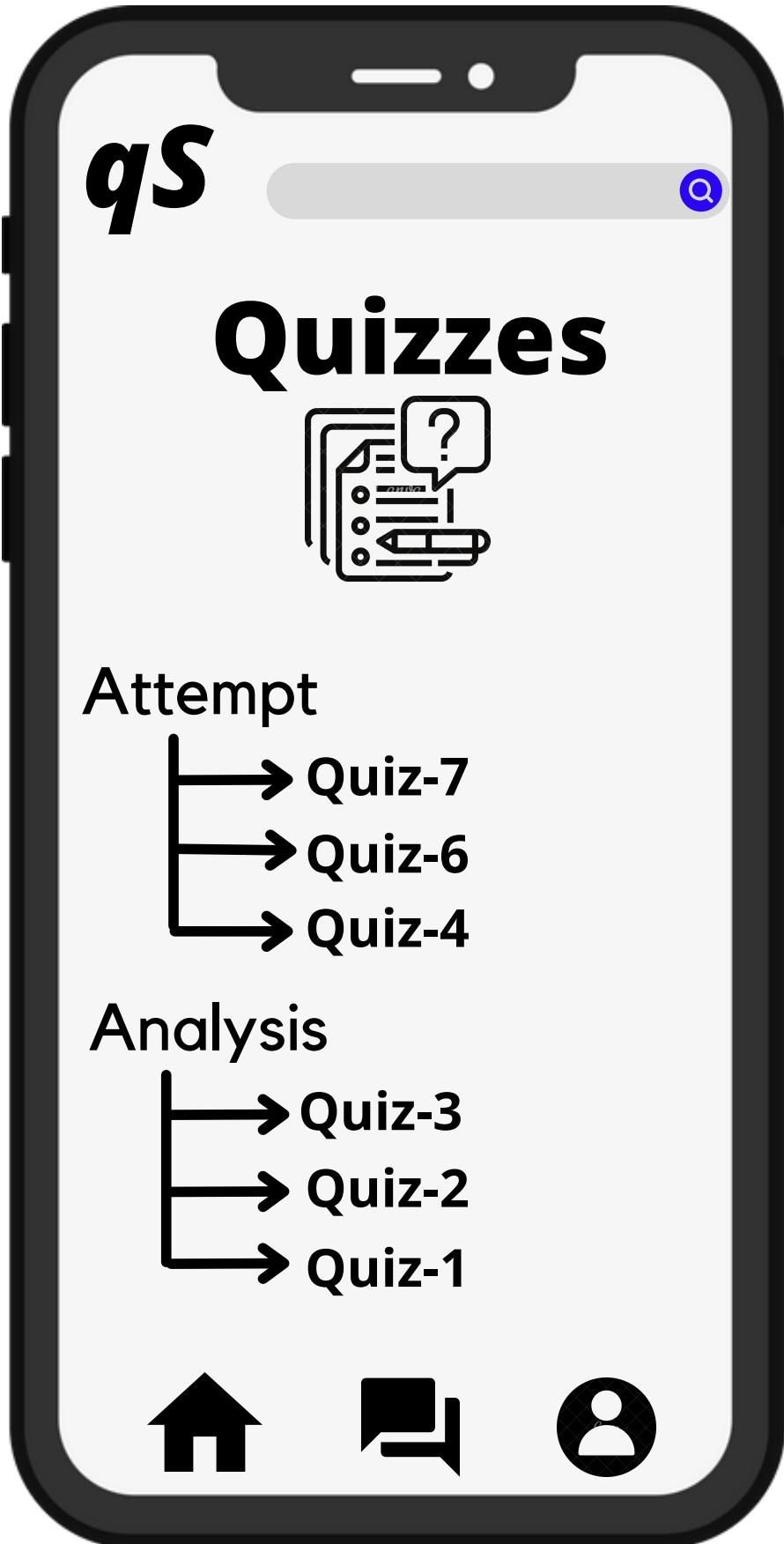
HOME FORUMS PROFILE

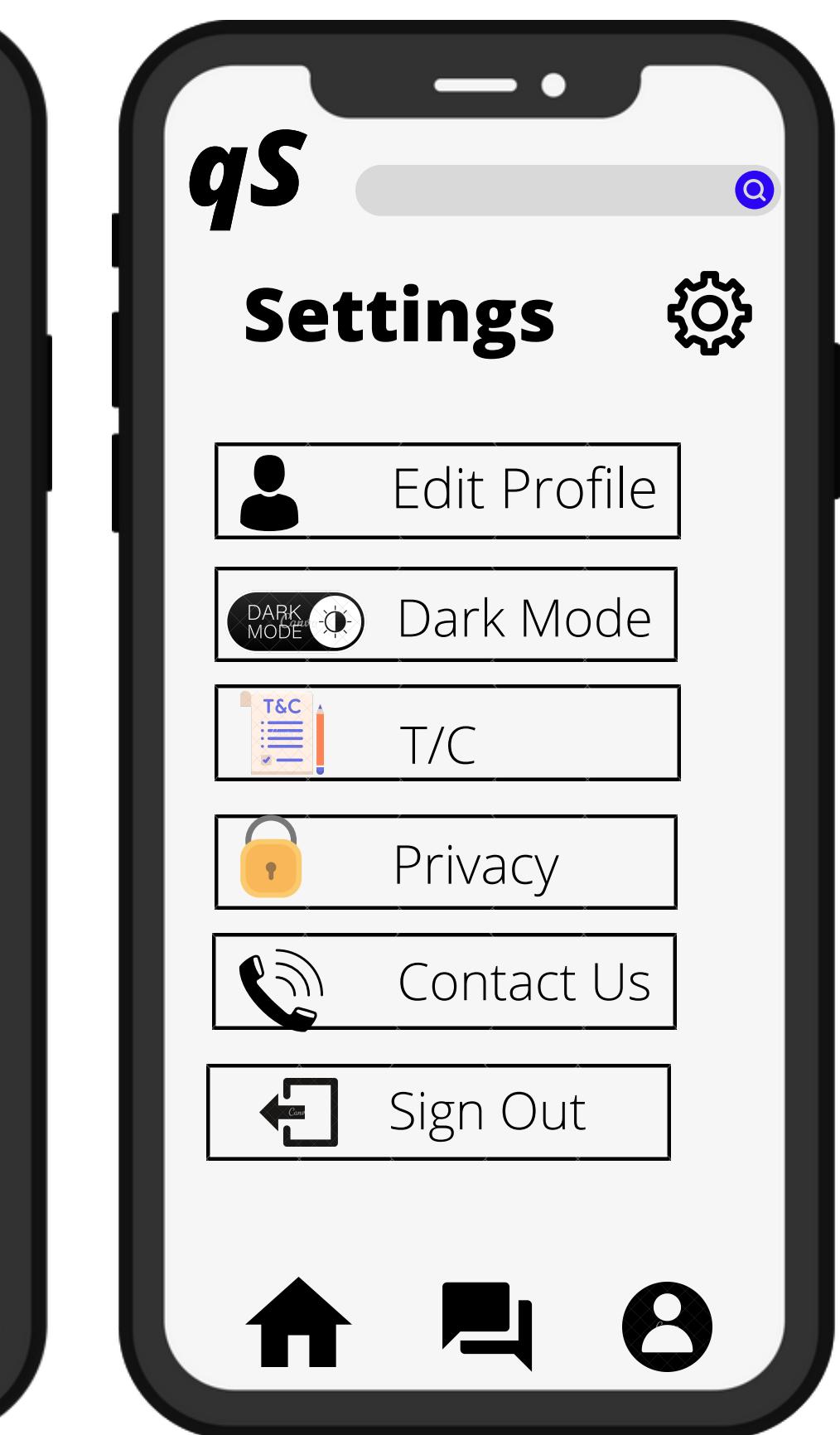
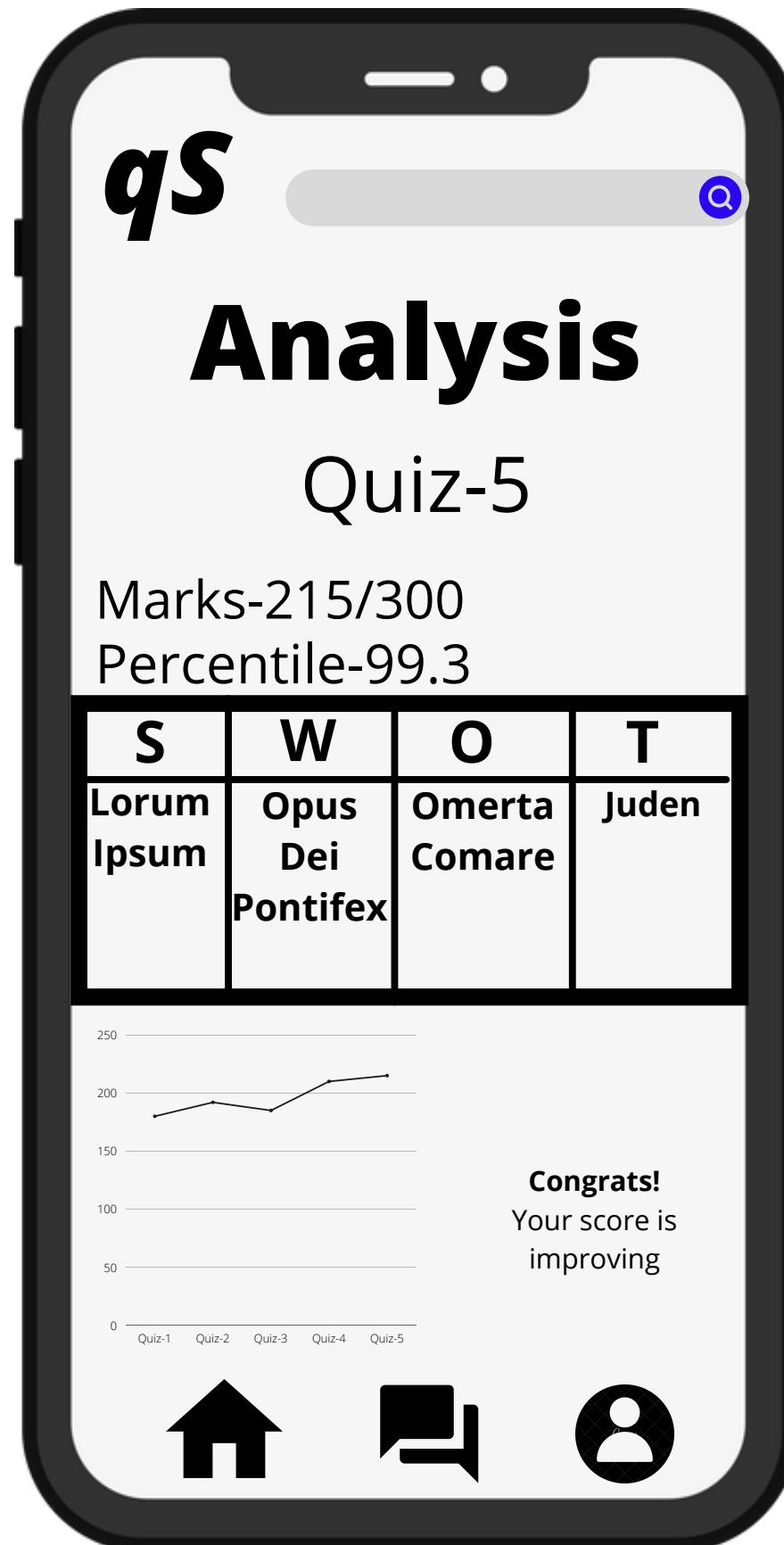
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MEDIUM FIDELITY PROTOTYPE



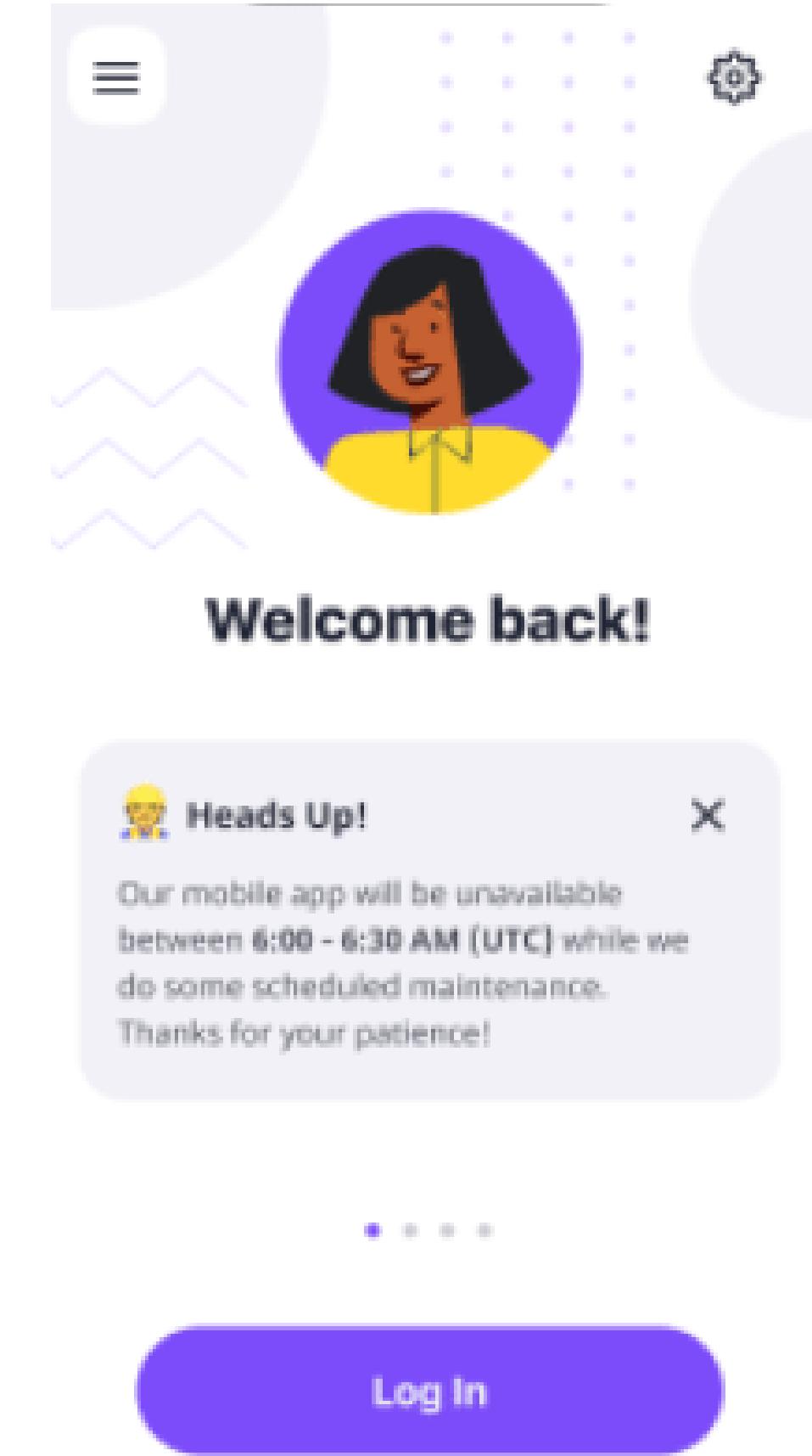






HIGH FIDELITY PROTOTYPE

Prototype link





←

Create an Account

+

Full Name

Email Id

Password

Contact No.

REGISTER

←

Welcome Back! Let's Sign You In.

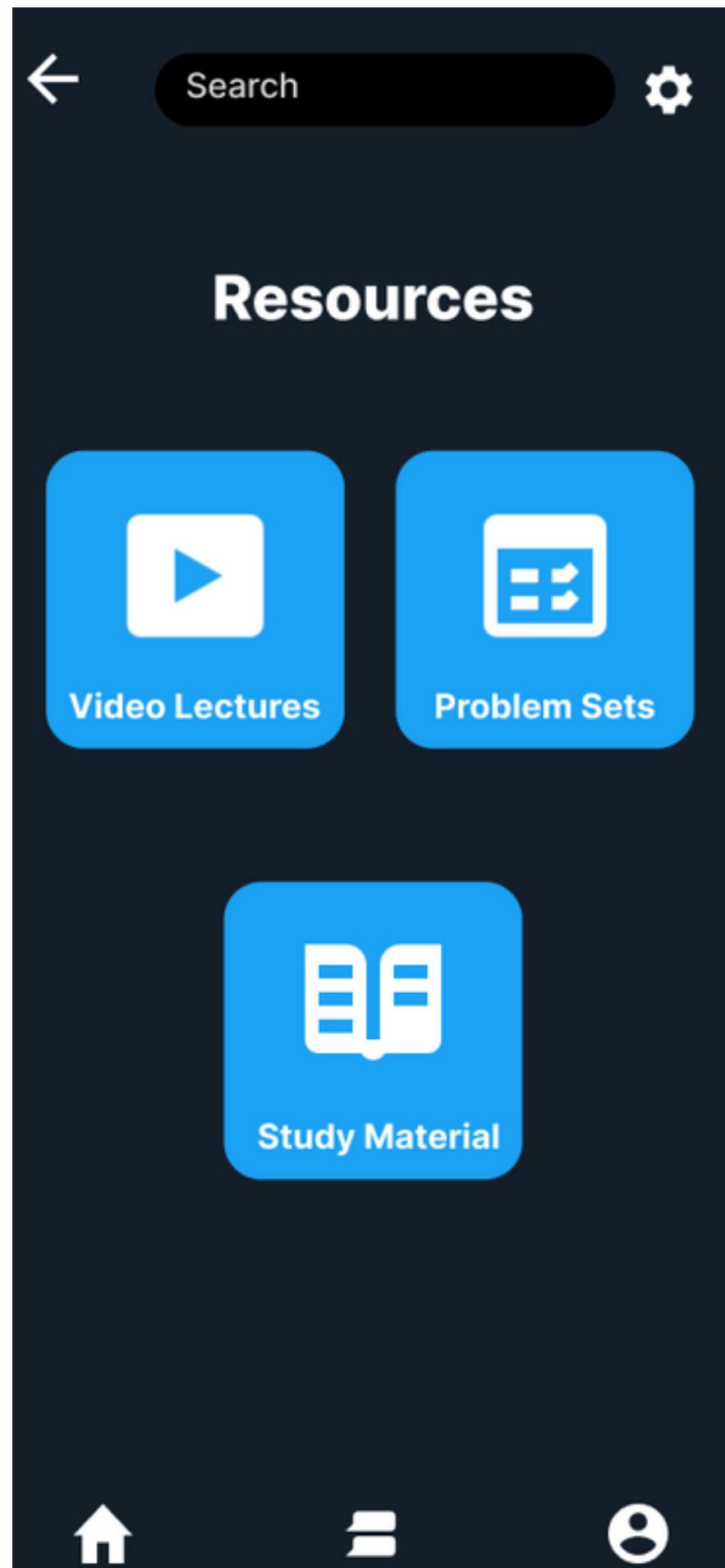
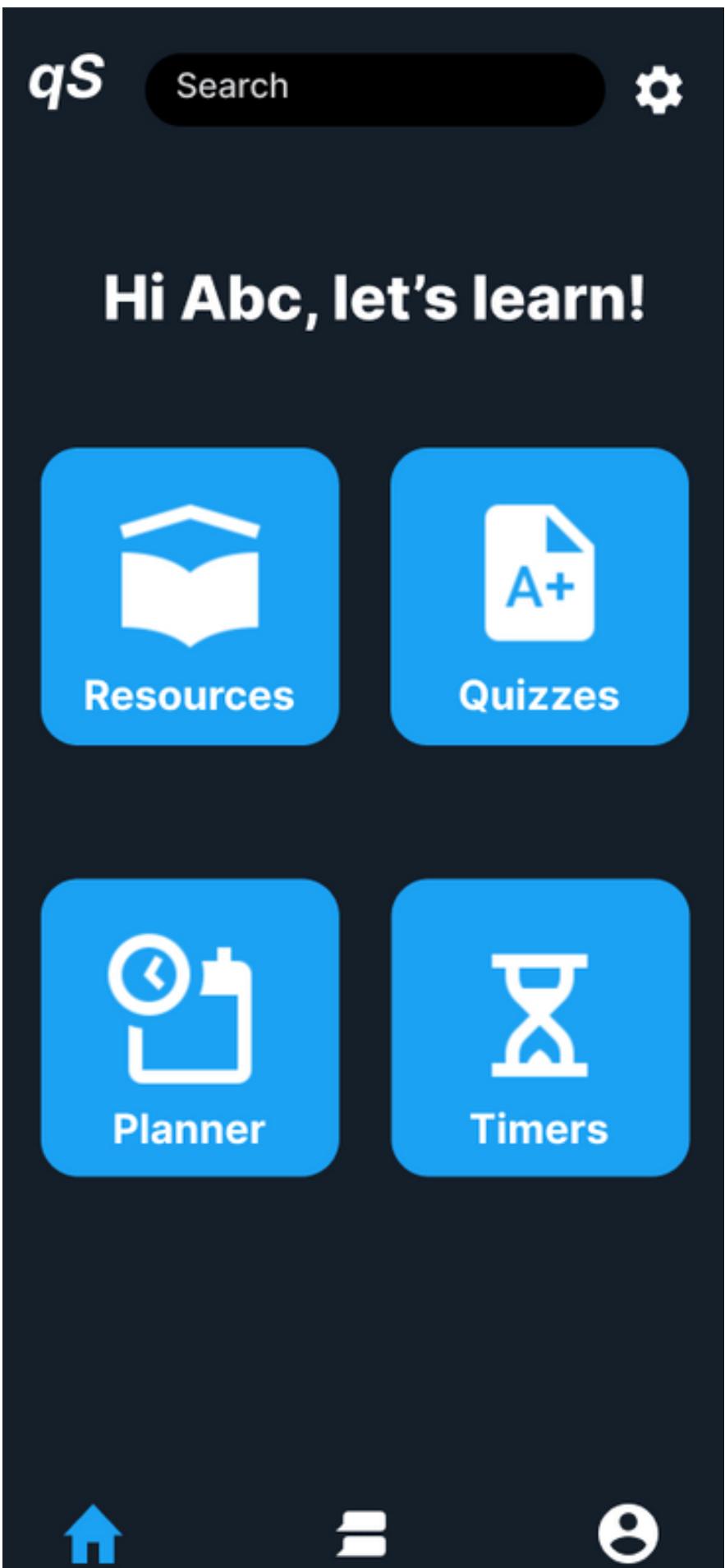
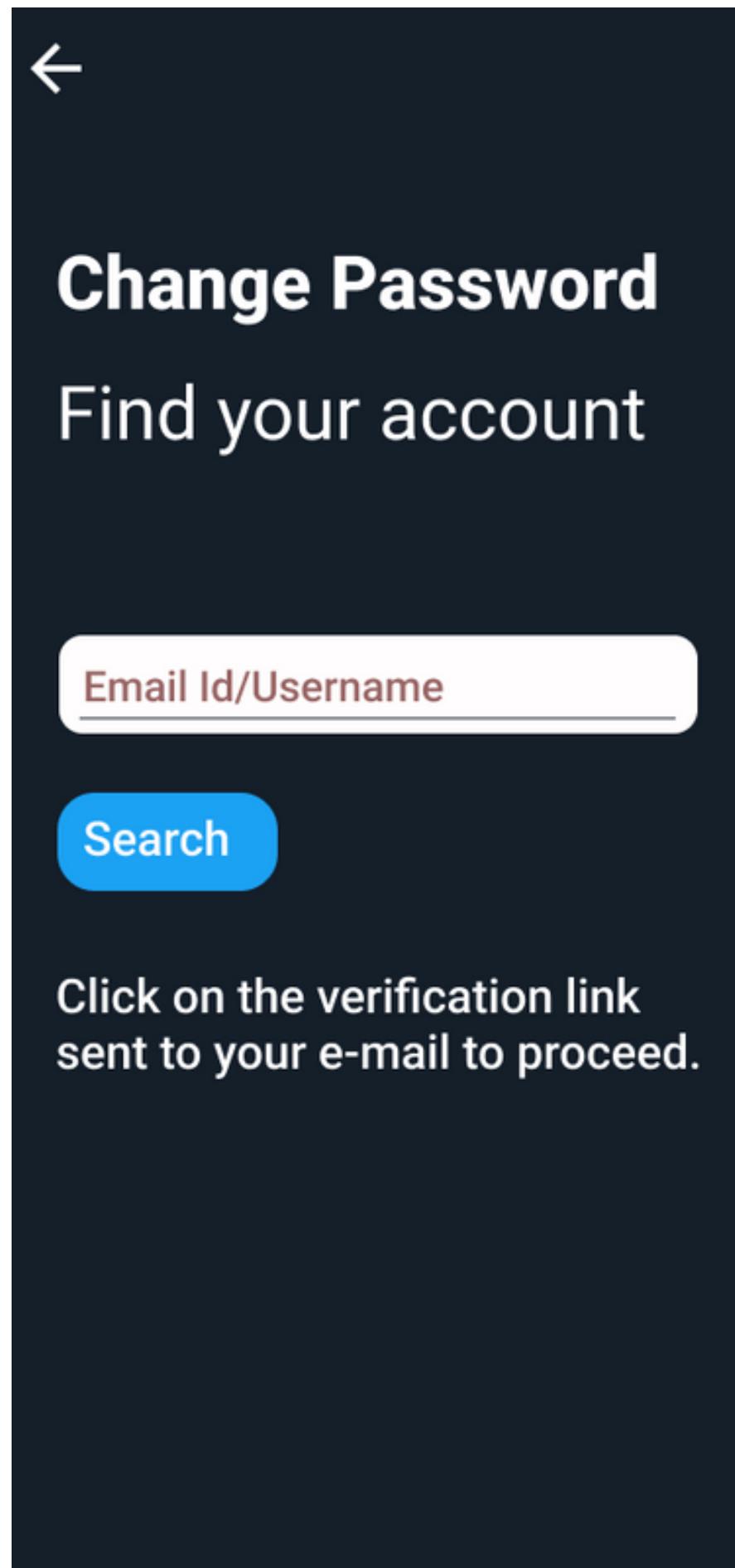
Email Id

Password

Stay signed in [Forgot password?](#)

LOGIN

— Or login with —



Video Lectures

$K_{trans} = \frac{1}{2} m V_{cm}^2$

$K_{rot} = \frac{1}{2} I \omega^2$

$V_{cm} = r\omega$

$d_{cm} = \frac{r \Delta\theta}{\Delta t}$

Rolling without slipping

$V = r\omega$

SCRATCH PAD

Start writing...

Study Material

Books Notes

SCIENCE SCIENCE
Textbook for Class X

NCERT

IE IRODOV PHYSICS

IE Irodov

GEOMETRY Part 1
Cartesian Coordinates

SL LONEY

SL Loney

MATHEMATICS

NCERT

Study Material

Books Notes

Coordinate Geometry >

Probability >

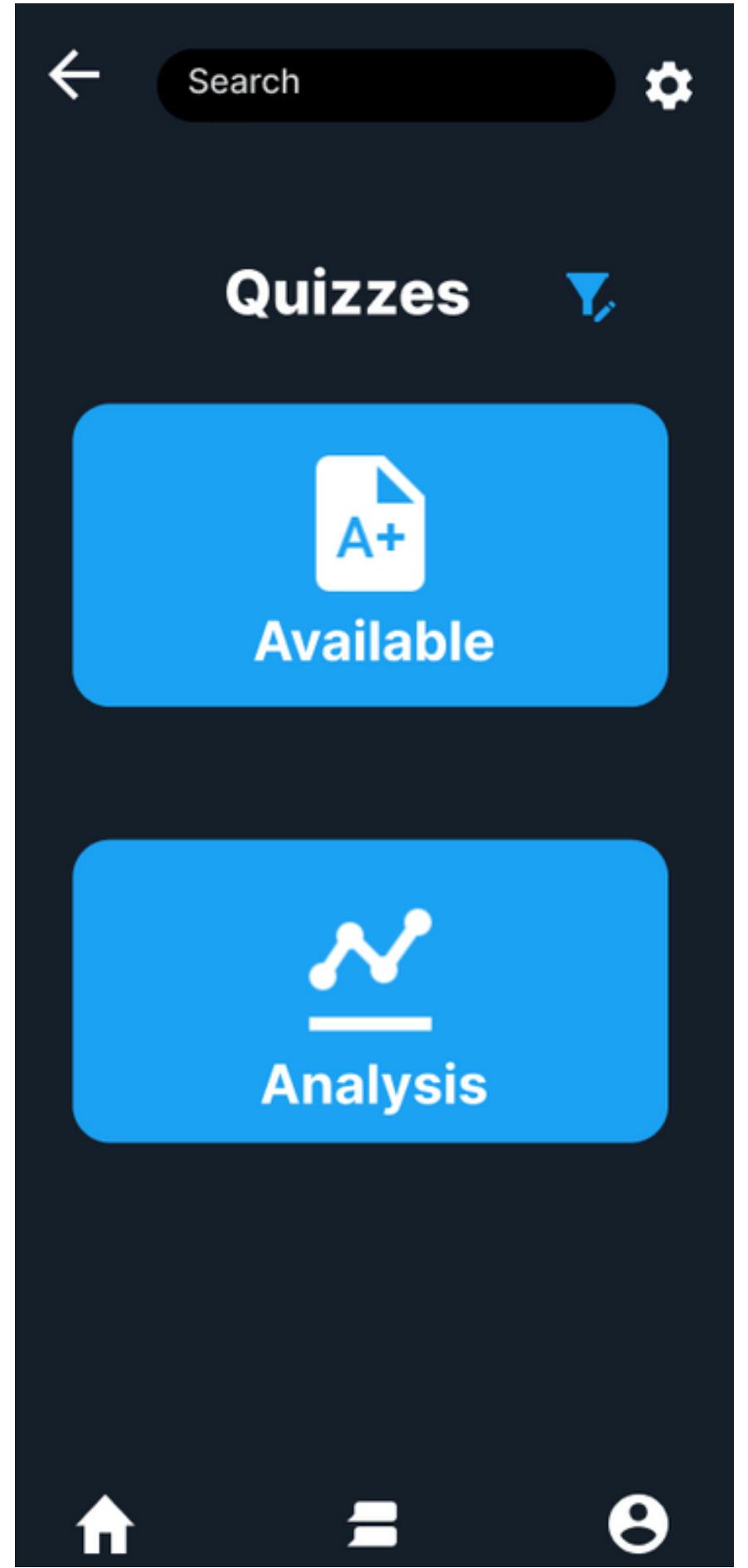
Mole concept >

Electrochemistry >

Statistics >

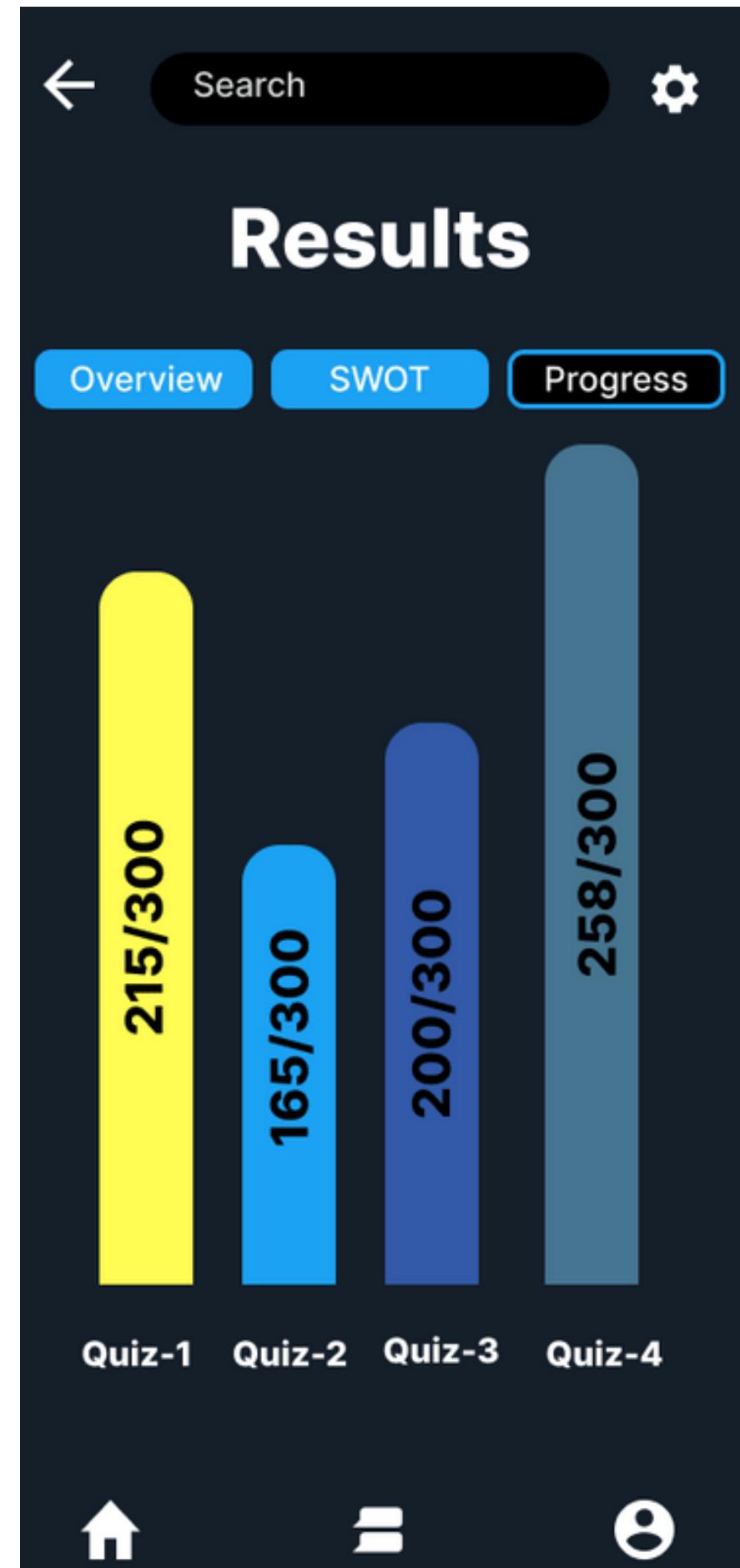
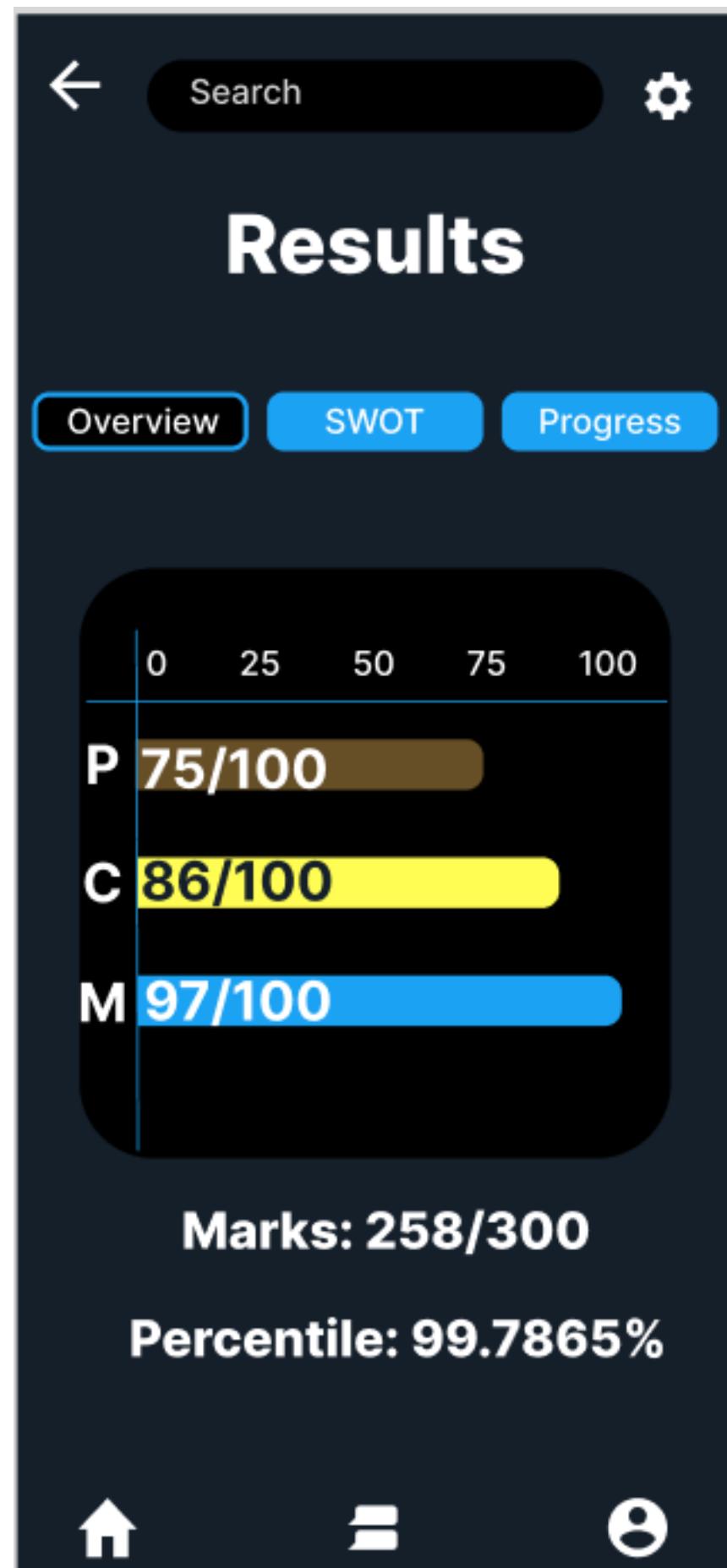
Light >

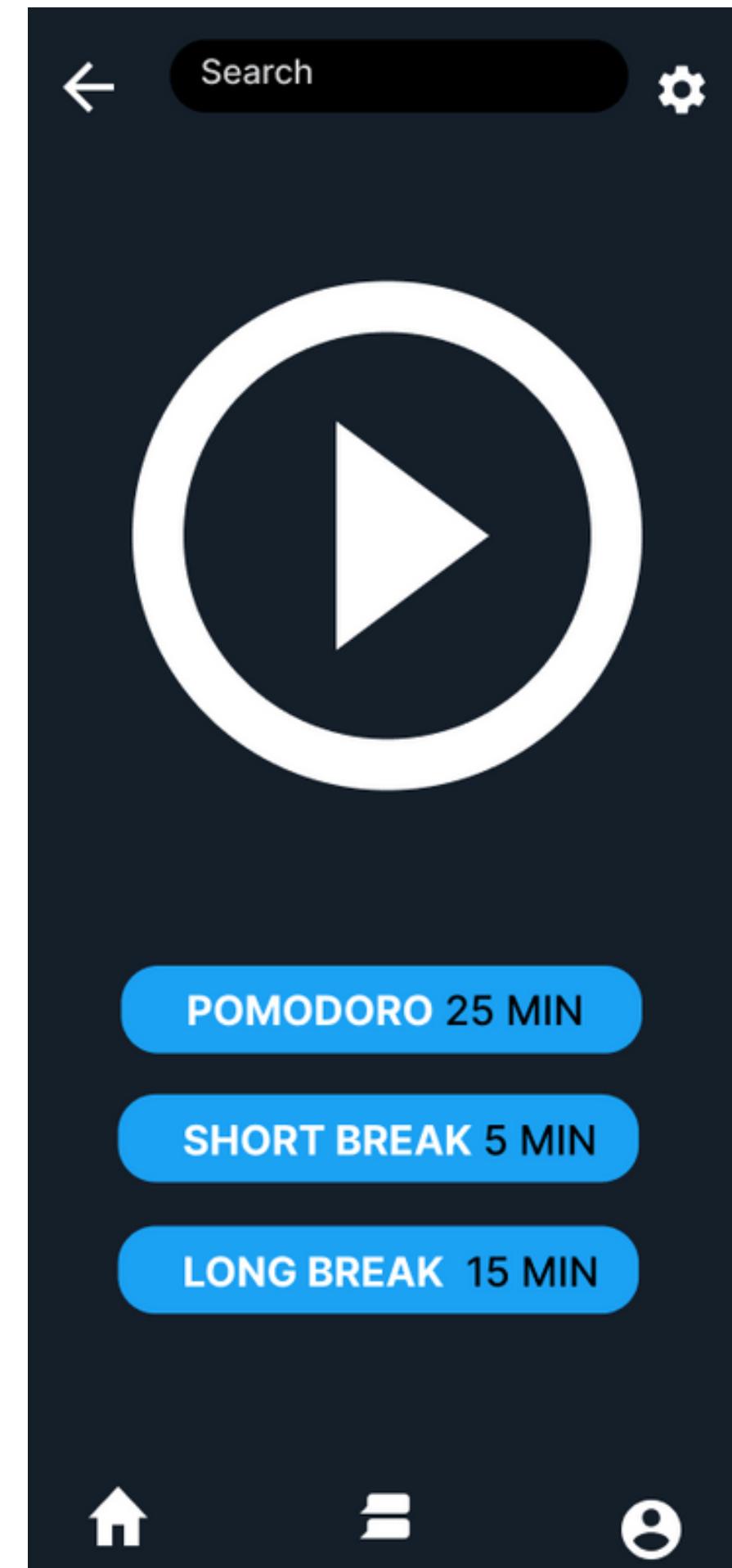
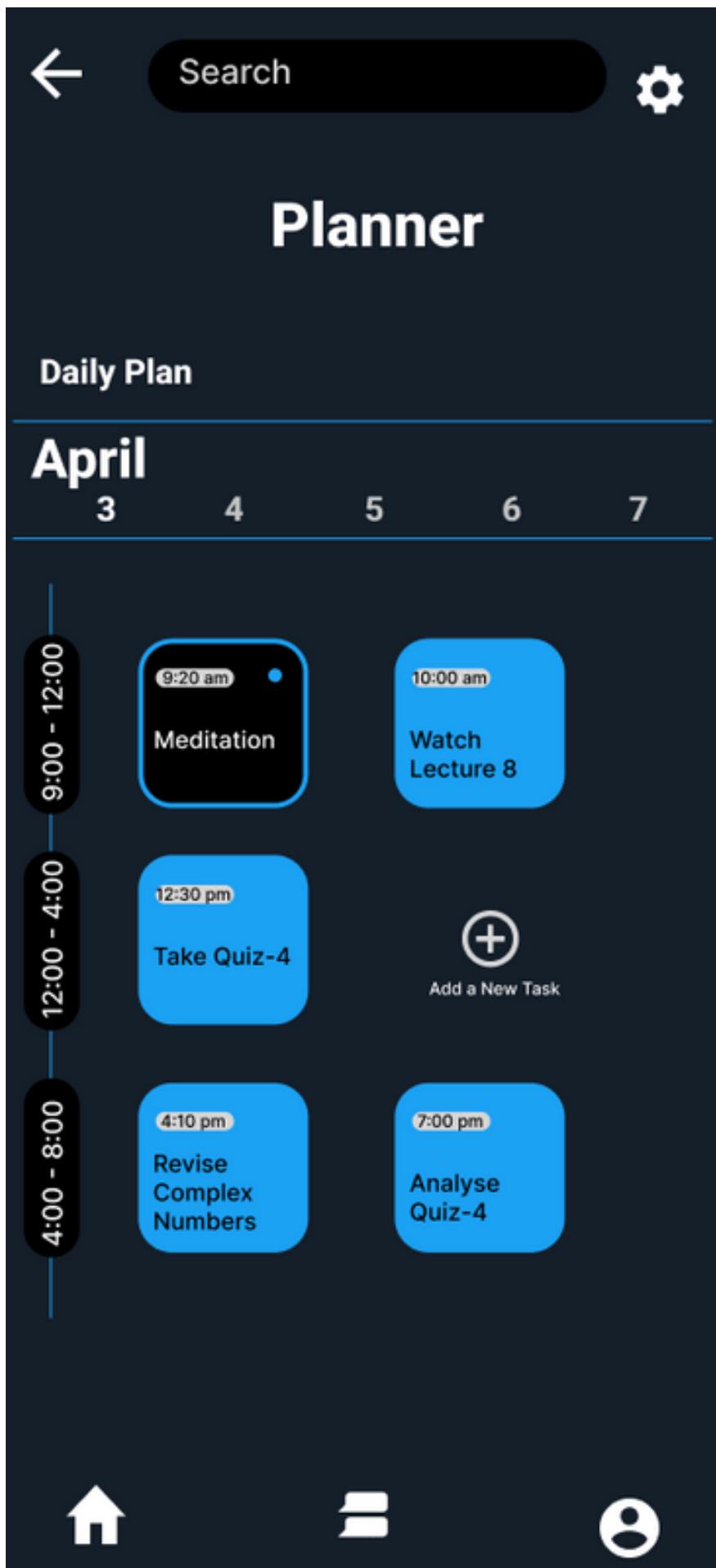
Atomic Structure >

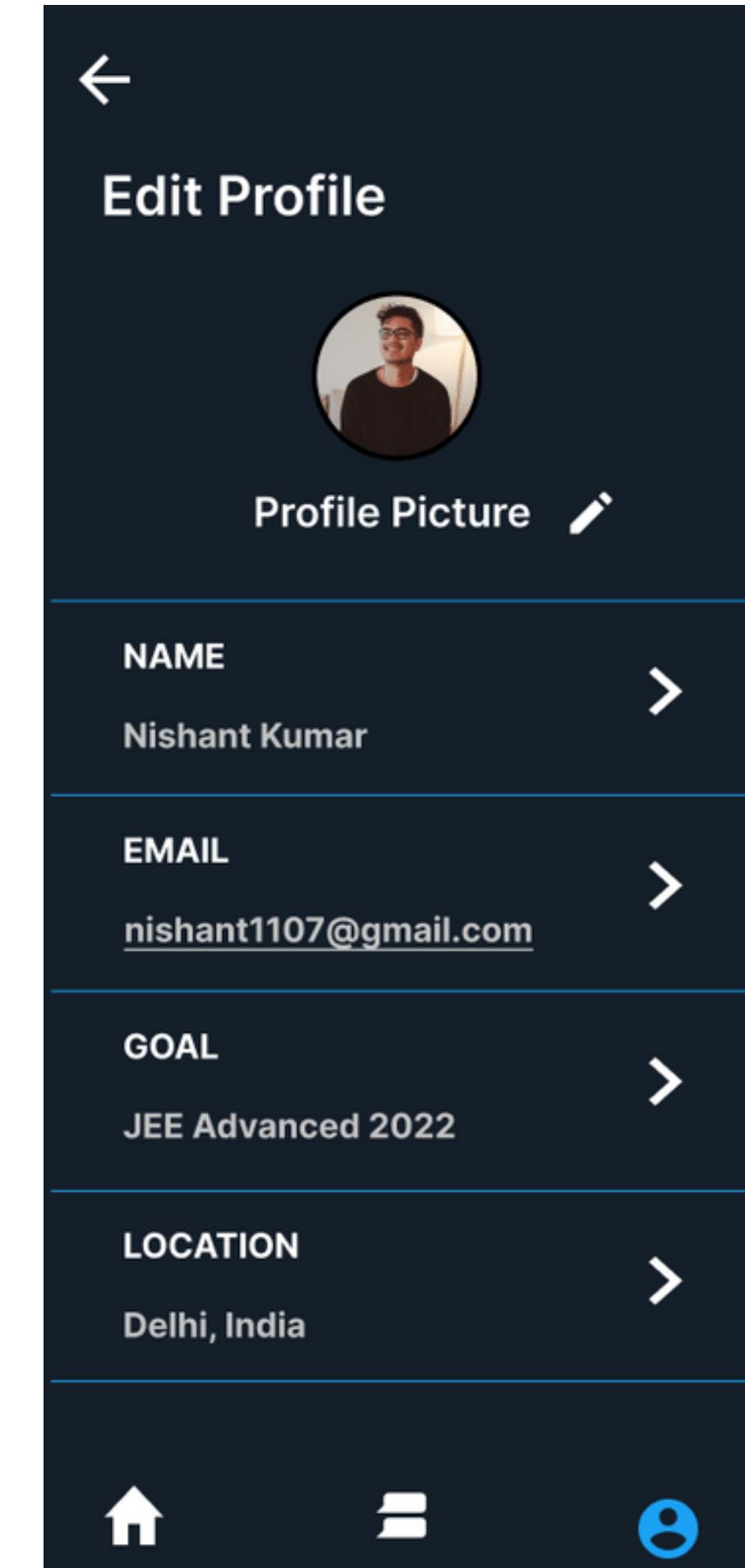
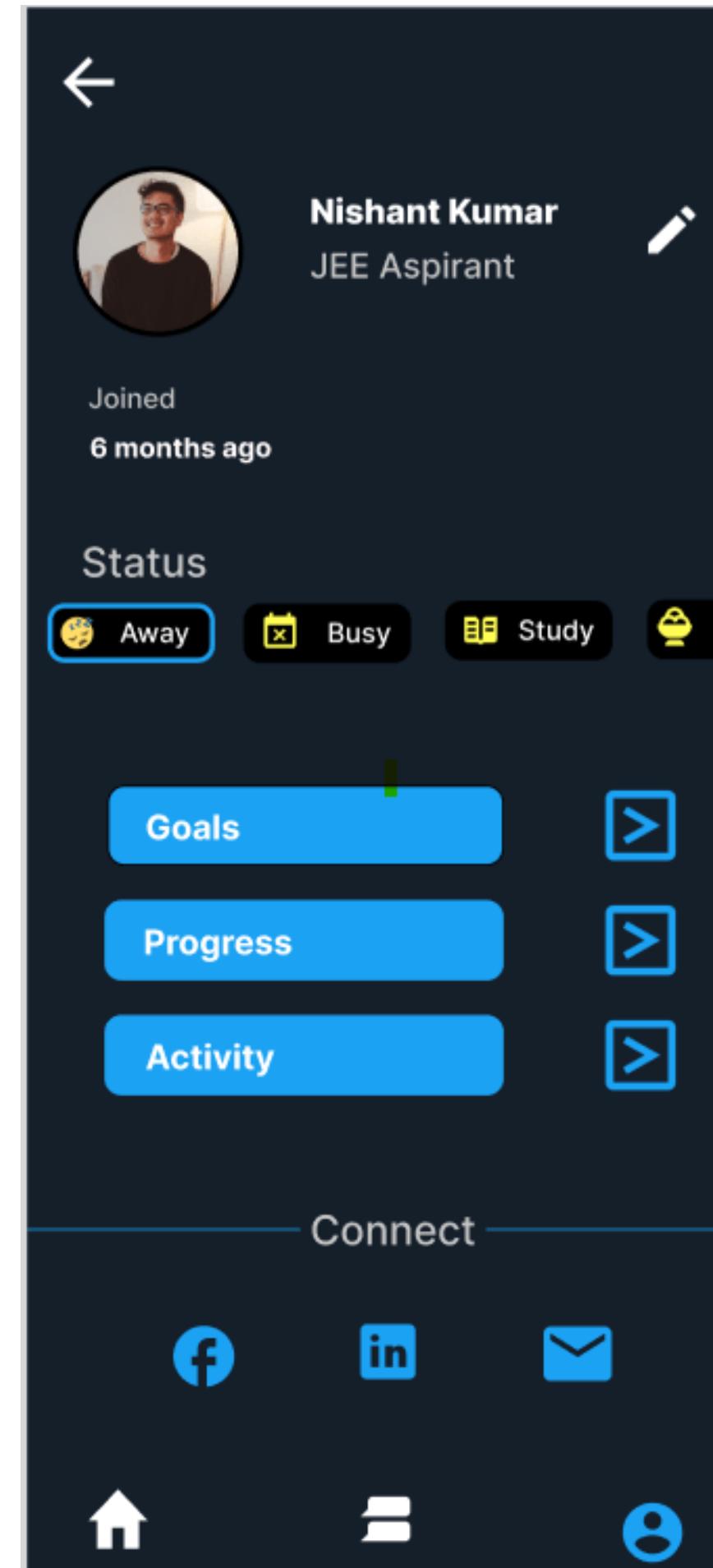
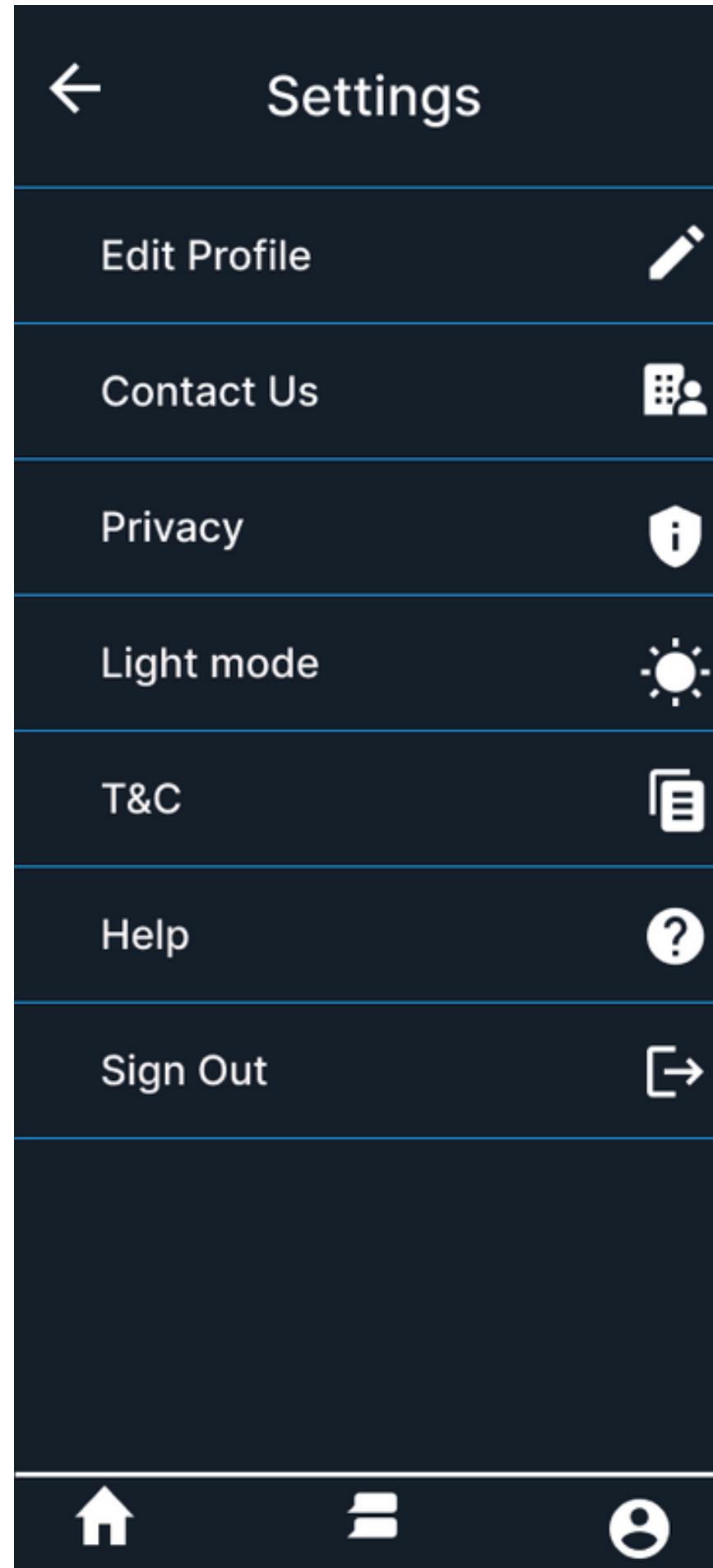


-
- The screen shows a list of seven quizzes, each with a title and a right-pointing arrow indicating they can be selected. Above the list are two filter buttons: "Attempted" (highlighted in blue) and "Not Attempted".
- Quiz-1 >
 - Quiz-2 >
 - Quiz-3 >
 - Quiz-4 >
 - Quiz-5 >
 - Quiz-6 >
 - Quiz-7 >
- At the bottom are three navigation icons: a house (Home), a grid (Dashboard), and a person (User Profile).

-
- This screen is identical to the one above it, displaying the same list of seven quizzes and the same filter buttons ("Attempted" highlighted in blue and "Not Attempted").
- Quiz-1 >
 - Quiz-2 >
 - Quiz-3 >
 - Quiz-4 >
 - Quiz-5 >
 - Quiz-6 >
 - Quiz-7 >
- At the bottom are three navigation icons: a house (Home), a grid (Dashboard), and a person (User Profile).







PROTOTYPE EVALUATION

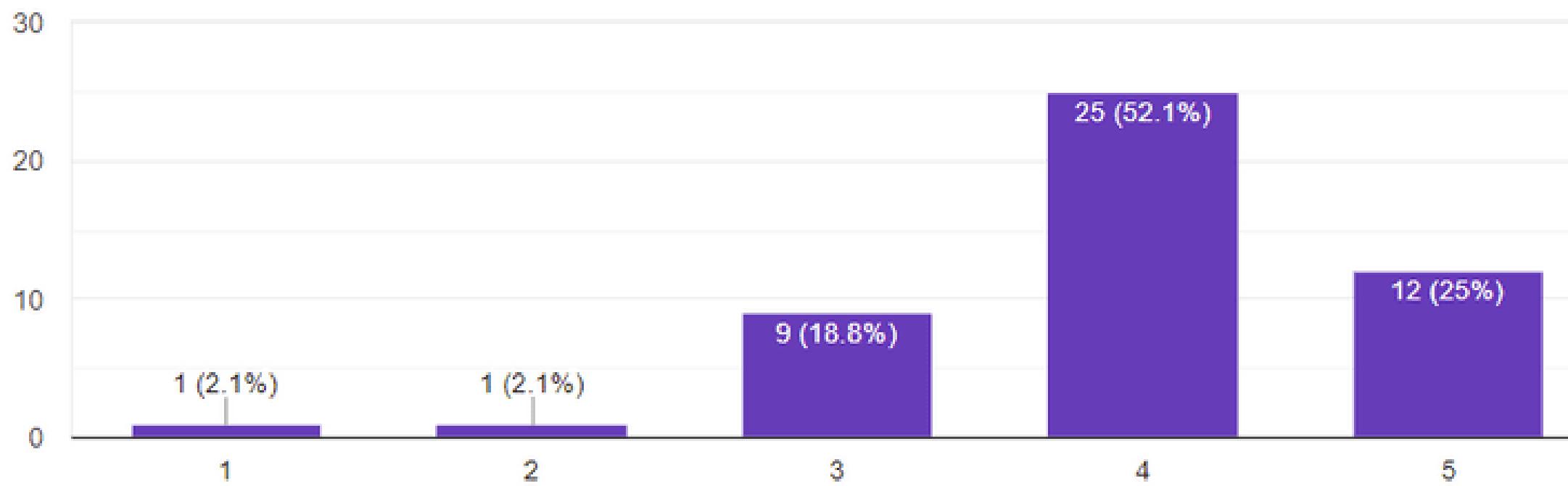
[Form link](#)



How easy was it to navigate between different screens?(1 being very difficult and 5 being very easy)

 Copy

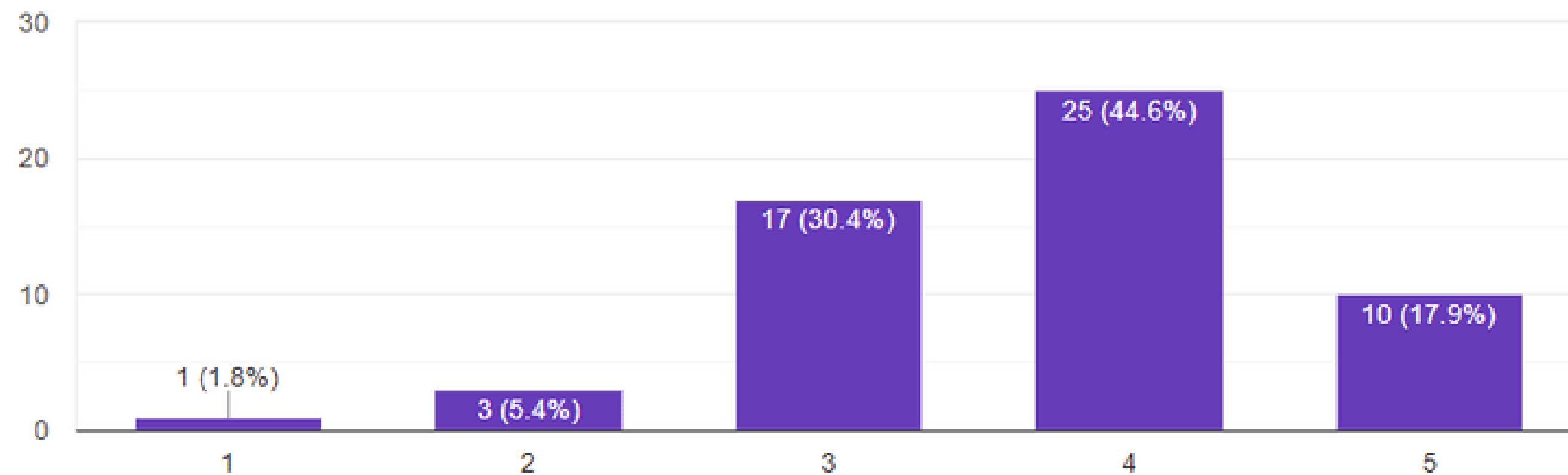
48 responses



How was the colour scheme and aesthetics?(1 being very poor and 5 being very good)

Copy

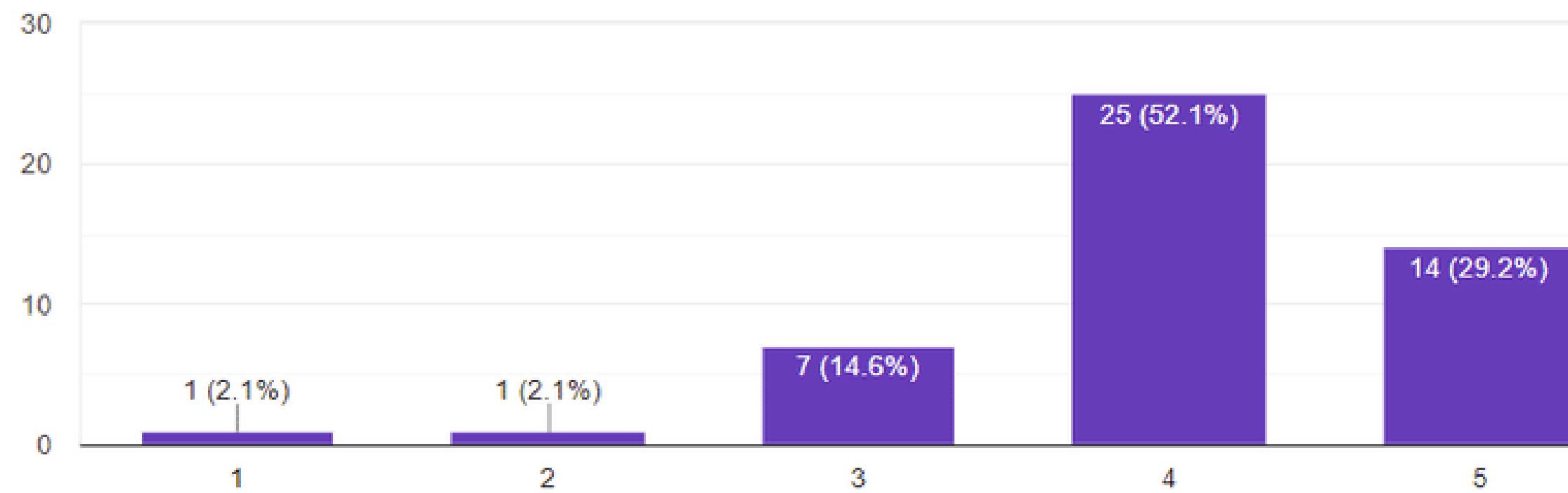
56 responses



How easy was it to understand the meaning of the icons and symbols used?(1 being very difficult to understand and 5 being very easy to understand)

 Copy

48 responses



General Notes

Negatives

- The font size is bigger than required on various pages.
- No demarcation between clickable text boxes and non-clickable ones.
- There was misalignment in some screens.
- A couple pages used vibrant colors for a dark theme.

Positives

- There is a back button, home button, profile button, settings button and search bar on every screen for quick navigation which enhances the user experience
- There is a consistent colour scheme on most pages which is blue and white.
- The highlighting of the icons on clicking on them gives a very premium feel to the user.

THANK YOU!!!