



USER REQUIREMENT GATHERING USING SURVEY & INTERVIEWS

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SURVEY

StudyHub User Requirements Survey

We are developing StudyHub, an innovative app aimed at improving collaboration, resource sharing, and communication among university students and staff. Your input is vital to ensure the app meets your needs and provides a seamless academic experience.

This survey is designed to gather your preferences, expectations, and feedback on potential features and usability. It will take just 5-10 minutes to complete, and your responses will remain completely confidential.

Thank you for helping us create a platform tailored to your academic success!

What types of resources do you frequently need or share?

- ☐ Lecture Notes
- ☐ Slides
- ☐ Textbooks/E-books
- ☐ Video Tutorials
- ☐ Past Exams/Quizzes
- ☐ Other: _____

What device do you primarily use for academic activities?

- ☐ Mobile Phone
- ☐ Tablet
- ☐ Desktop Computer
- ☐ Laptop

Would you use a feature to collaborate on group projects or assignments?

- ☐ Yes
- ☐ No
- ☐ Maybe

Would you like the app to have customizable themes or display settings (e.g., dark mode, font size)?

- ☐ Yes
- ☐ No
- ☐ Maybe

How important is having a secure student marketplace to buy/sell textbooks and resources?

- ☐ Very Important
- ☐ Somewhat Important
- ☐ Neutral
- ☐ Not Important

How user-friendly should the interface be for you?

- ☐ Extremely easy to use
- ☐ Easy to use with some learning curve
- ☐ Neutral
- ☐ Complex but functional

How frequently do you use digital platforms for academic purposes?

- ☐ Daily
- ☐ Weekly
- ☐ Occasionally
- ☐ Rarely

Would you prefer the app to work offline for accessing notes and slides?

- ☐ Yes
- ☐ No
- ☐ Maybe

What performance standards would you expect from StudyHub?

- ☐ Fast loading times
- ☐ High reliability (minimal downtime)
- ☐ Scalability to handle large numbers of users

Would you use StudyHub without offline access?

- ☐ Yes
- ☐ No
- ☐ Maybe

How important is data security and privacy for you while using StudyHub?

	1	2	3	4	5	
Not Important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Important

What additional features would you like to see in an academic collaboration app like StudyHub?

Your answer

Do you think StudyHub would add value to your academic and organizational activities? Why or why not?

Your answer

What challenges do you face in sharing or finding academic resources?

Your answer

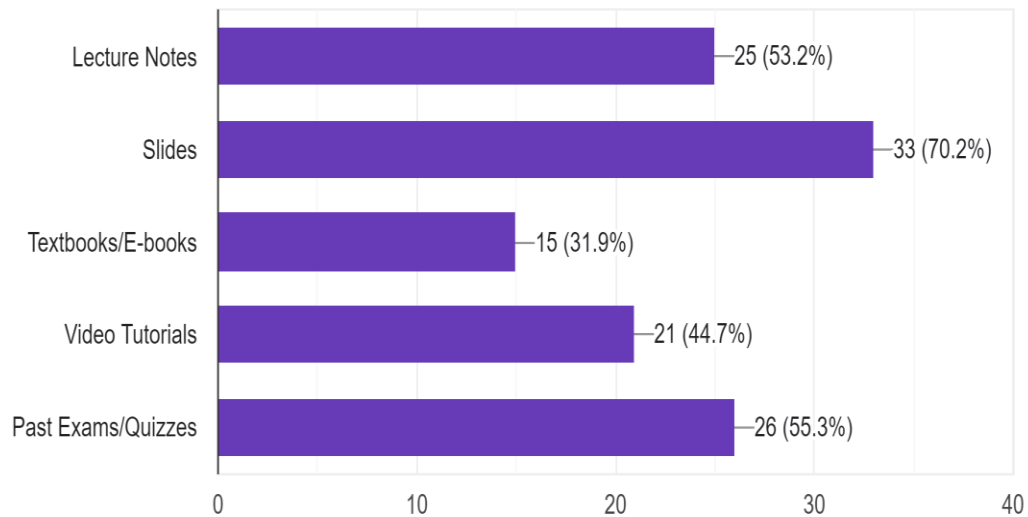
The link of the survey form.

https://docs.google.com/forms/d/e/1FAIpQLSfHDFtq8o1TNqnv1-nNp8nigu171urnTozeitaW11GyrB-qMA/viewform?usp=pp_url

The Results:

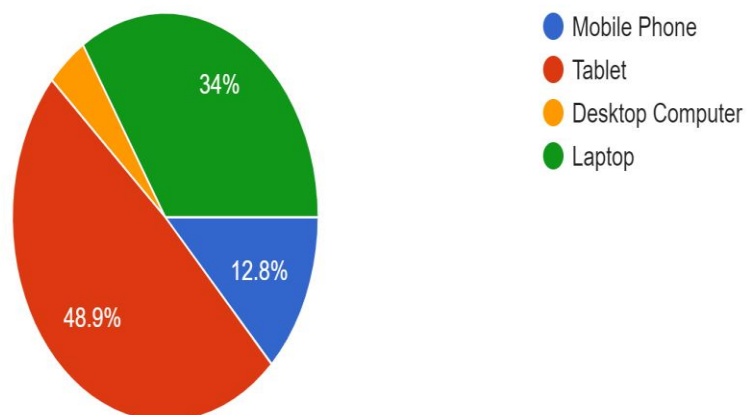
What types of resources do you frequently need or share?

47 responses



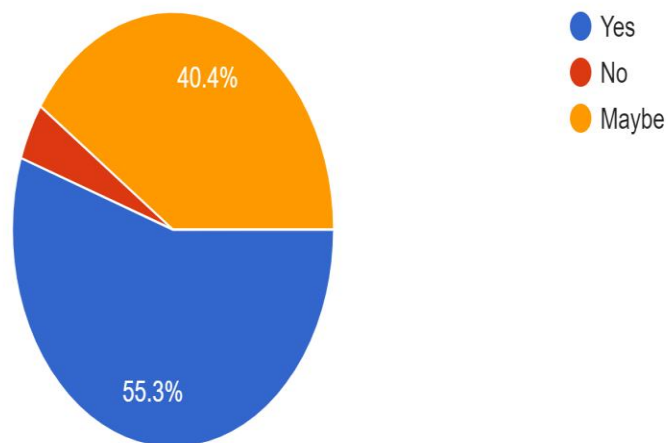
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47 responses



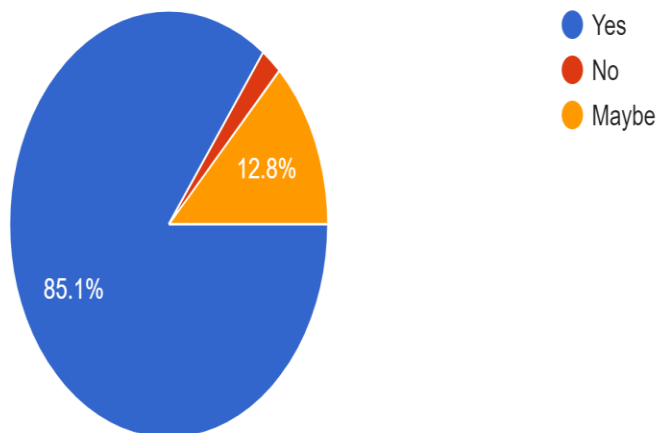
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47 responses



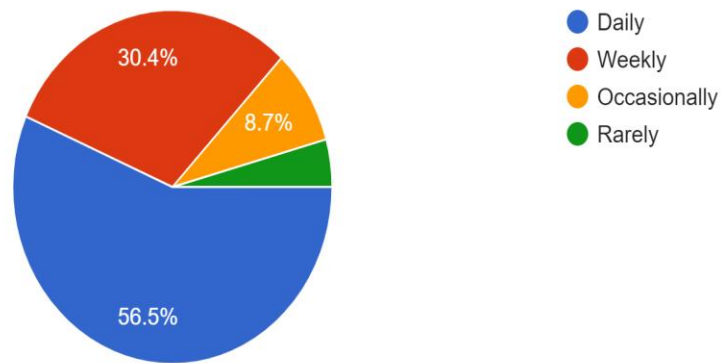
Would you like the app to have customizable themes or display settings (e.g., dark mode, font size)?

47 responses



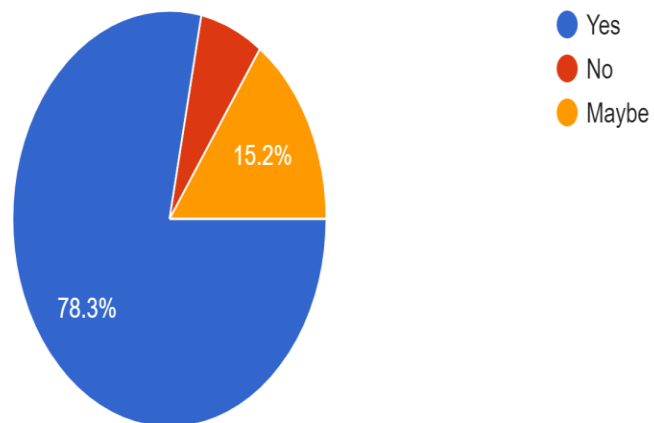
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46 responses



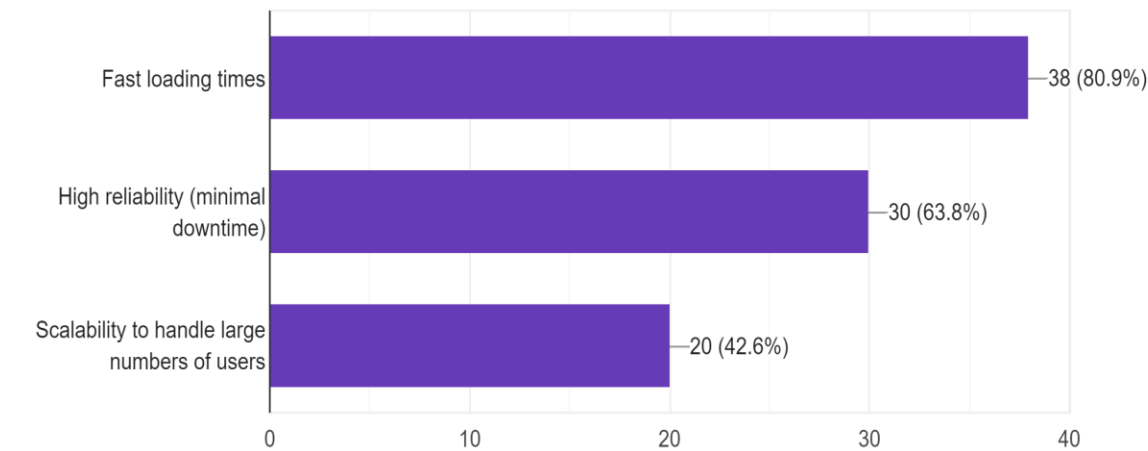
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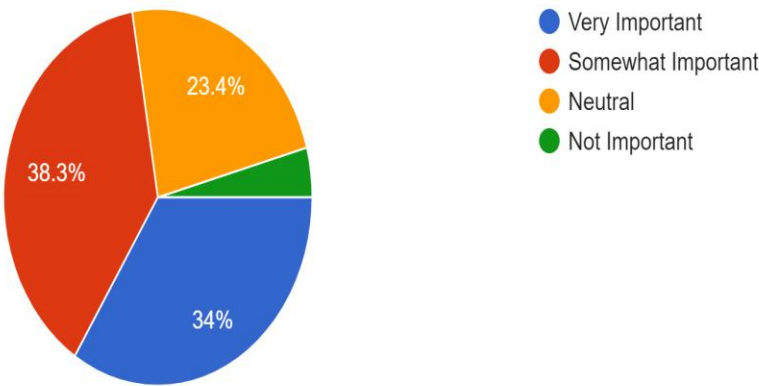
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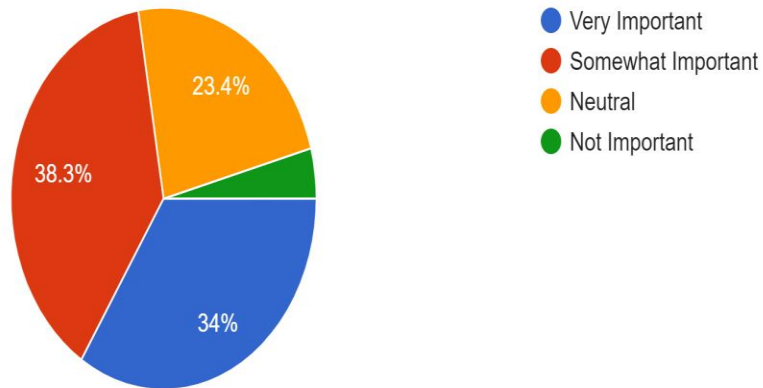
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47 responses



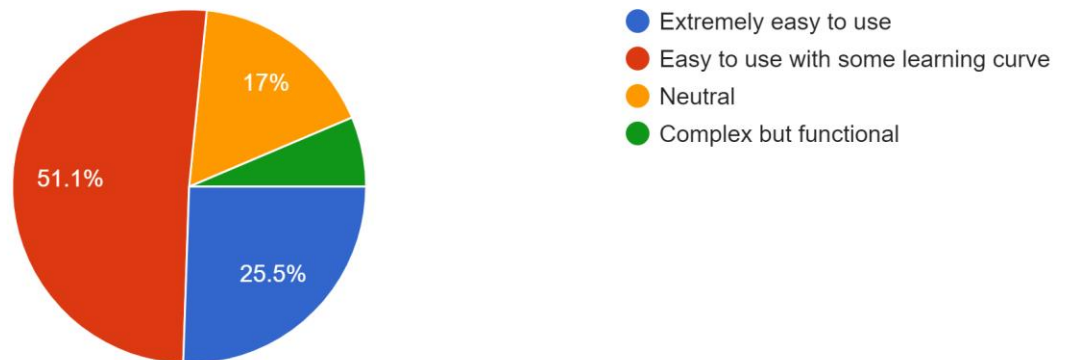
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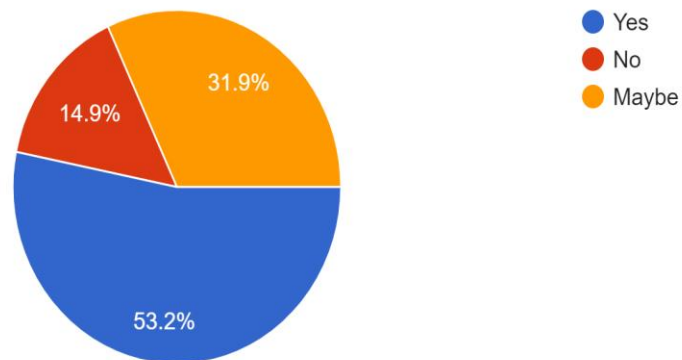
How user-friendly should the interface be for you?

47 responses



Would you use StudyHub without offline access?

47 responses



What additional features would you like to see in an academic collaboration app like StudyHub?

18 responses

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Asking people who have expert outside of my university

Yes

Asking questions to rate your self if you understood the material or not

Real time collaboration tools

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Make large amounts of exercises and complicated questions so you can know the answers of any hard question you will be asked about in the exam

Remind me to study for important exams

I don't know

Solving practical laboratory reports

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Recordings of lectures

Time management for studying each subject helping the student to concentrate while studying

In general groups to study

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AI based resource suggestions

Do you think StudyHub would add value to your academic and organizational activities? Why or why not?

18 responses

Yes

.

Yes it is easier to study well

Yes

Yes it is very helpful because maybe you will learn more information that you didn't know before

Yes it would be streamline collaboration

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Yes it's very good because you will feel comfortable while answering the questions in the exam

Of course

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yes, because it will make my studying more enjoyable and creative

Yes so much

Yes, studying as a groups and sharing knowledge will reduce time.

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Yes it improves resource sharing

What challenges do you face in sharing or finding academic resources?

18 responses

Nothing

..

Not having courses that are similar to my courses in the university so maybe different materials

Yes

I can't know if the information I'm searching for is reliable or not

.

Takes time to find them

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All applications need network and sometimes we can't connect to the interne

USER REQUIREMENTS BASED ON SURVEY

Functional Requirements

Collaboration Features

- Enable asking questions to external experts or professionals outside the university environment.
- Facilitate real-time collaboration for academic discussions or projects.
- Create and join study groups for subject-specific collaboration.

Learning Tools

- Provide self-assessment tools for students to evaluate their understanding of study material.
- Include a bank of exercises and challenging questions with solutions for exam preparation.

- Add features for solving and sharing laboratory reports.
- Integrate AI-based tools to recommend personalized learning resources based on a student's needs.

Content Management

- Allow uploading and accessing lecture recordings for revision purposes.
- A library of verified academic resources to ensure credibility and reliability.
- Easy sharing and exchange of study materials such as notes, slides, and books.

Time and Productivity Management

- Include reminders for exams, assignments, or study schedules.
- Provide a study calendar and tools for time management across multiple subjects.

Event and Notification Management

- Notify users about university events, study sessions, or collaborative opportunities.

Offline Access

- Provide offline access to critical features, such as downloaded materials or reminders, to address internet connectivity issues.

Non-Functional Requirements

Reliability

- Ensure the platform provides accurate and reliable academic resources.

Accessibility

- Accessible via different devices (smartphones, tablets, laptops) with seamless performance.

Scalability

- Scalable to support growing user bases, ensuring smooth performance during peak usage.

Usability

- Simple and intuitive interface, making it easy for students of different technical abilities to navigate.

Security

- Protect shared resources and sensitive user data with strong security mechanisms.

Performance

- Fast response times and low latency for real-time collaboration tools.

INTERVIEWS

- Interview with a Student (Aya)

- **Interviewer (Zaina):** What challenges do you face when studying or collaborating with your classmates?

Student (Aya): Sometimes it's hard to find the right resources, like lecture notes or slides, especially if I miss a class. Also, forming study groups is tricky because not everyone is available at the same time.

- **Interviewer (Zaina):** Would you find a platform like StudyHub useful for resource sharing? Why?

Student (Aya): Yes, it would be very helpful! If we could share files/slides in one place, it would save so much time. Plus, it would be easier to get the latest materials instead of asking everyone individually.

- **Interviewer (Zaina):** How do you feel about having features like a Q&A section(posts) or a study group organizer?

Student (Aya): I like the idea! A Q&A section would be great because I can ask questions and get quick answers from others. The study group organizer would help us plan better without the back-and-forth over WhatsApp or other apps.

- Interviewer (Zaina): What would make you want to use StudyHub regularly?

Student (Aya): It should be simple to use and not overloaded with unnecessary features. I'd also like notifications about upcoming events, deadlines, or new resources—it would help me stay organized.

- Interviewer (Zaina): Do you have any concerns about using a platform like this?

Student (Aya): Maybe security. I'd want my data to be safe, especially if it's tied to my university account. Also, it shouldn't crash or be too slow when a lot of people use it at the same time.

- Interview with an Instructor (Dr. Mohammad)

- Interviewer (Zaina): What challenges do you face when sharing resources with students?

Instructor (Dr. Mohammad): Sometimes it's hard to ensure all students have access to the same materials, especially if they miss a class. Emailing everyone or uploading files to different platforms can be time-consuming.

- Interviewer (Zaina): Would a platform like StudyHub make sharing resources easier for you?

Instructor (Dr. Mohammad): Yes, definitely. Having one place where I can upload lecture slides, notes, and other resources would save time and ensure everyone gets access at the same time.

- **Interviewer (Zaina):** How do you feel about students collaborating on the platform, like through Q&A sessions or study groups?

Instructor (Dr. Mohammad): I think it's a great idea. Peer collaboration is very effective, and I could even participate occasionally to clarify doubts or guide discussions when needed.

- **Interviewer (Zaina):** Would you use features like a shared calendar for managing deadlines or events?

Instructor (Dr. Mohammad): Yes, a shared calendar would be very useful for reminding students about assignment deadlines, exams, or other important dates.

- **Interviewer (Zaina):** What would encourage you to use StudyHub regularly?

Instructor (Dr. Mohammad): The platform should be simple to use, and it should allow me to organize and manage my resources without much effort. Notifications about student activities or questions would also help me stay connected.

- **Interviewer (Zaina):** How could the platform help improve student engagement in your classes?

Instructor (Dr. Mohammad): If students actively use it for discussions and resource sharing, it could make them more prepared and involved in class. I could also post extra materials or discussion prompts to keep them engaged.

- **Interviewer (Zaina):** Do you have any concerns about using a platform like StudyHub?

Instructor (Dr. Mohammad): My main concern would be ensuring that the platform is secure and respects privacy. Also, it shouldn't add too much extra work for me—everything should be straightforward and efficient.

USER REQUIREMENTS BASED ON INTERVIEWS

■ Student Requirements (Aya)

- **Resource Sharing:** Ability to share lecture notes, slides, and files in one central platform.
- **Study Group Organizer:** Feature to plan and manage study groups without scheduling conflicts.
- **Q&A Section(posts):** A space to ask and answer questions quickly and interactively.
- **Notifications:** Alerts for upcoming events, deadlines, or new shared resources.
- **User-Friendly Design:** A simple and intuitive interface with no unnecessary features.
- **Data Security:** Assurance that personal and university data is protected.
- **Scalability:** The platform should perform well even when many users access it simultaneously.

■ Instructor Requirements (Dr. Mohammad)

- **Centralized Resource Sharing:** A single place to upload and distribute lecture slides, notes, files , and other materials.
- **Student Collaboration Tools:** Features like Q&A and study groups to promote peer collaboration and instructor involvement.
- **Shared Calendar:** A calendar to manage and notify students about assignment deadlines and events.
- **Efficiency:** The platform should save time and reduce effort in organizing resources and managing tasks.
- **Student Engagement:** Tools to encourage students to participate more actively in discussions and resource sharing.
- **Privacy and Security:** Ensure that uploaded materials and user data remain private and secure.
- **Simplicity:** The system should be easy to use without adding extra work for instructors.

VALIDATED USER REQUIREMENTS FOR STUDYHUB

FUNCTIONAL REQUIREMENTS

1. Collaboration Tools

- Allow students to post questions.
- Enable creating and joining study groups for specific subjects.

2. Learning Tools

- Provide self-assessment quizzes and exam preparation resources.

3. Content Sharing

- Allow uploading and accessing files and slides.

4. Timer and Notifications

- Provide notifications for posts, and quizzes, etc.
- Include a study timer.

5. Offline Access

- Allow offline access to downloaded files.

NON-FUNCTIONAL REQUIREMENTS

1. User-Friendly Design

Simple and intuitive interface for students.

2. Security

Protect user data and ensure privacy.

3. Scalability and Performance

Support large numbers of users and maintain fast response times.

4. Accessibility

Work seamlessly on mobile devices.