

# HUMAN COMPUTER INTERACTION

## LearnTogether



### INTRODUCTION

Online classes can sometimes feel like you're studying alone on an island. But with LearnTogether, we're building bridges. It's a friendly website where students and teachers can get together just like they do at school, but through their computers.

### ABSTRACT

In our project, we've created LearnTogether, which is pretty much like a digital classroom where everyone can join in.

When we saw people struggling to feel part of a team in online classes, we knew we could make it better.

We put our heads together and designed some smart features to make group work a breeze.

We tried them out, made some tweaks, and now they're ready to help.

With LearnTogether, teaming up for class activities, sharing helpful tips, and working on group projects is easy and fun, no matter where you are.



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### PROJECT DIARY

#### GROUP OF USERS:



1 College and University Students



2 High School Students



3 Tutors and Educators

#### WHERE TO USE LEARNTOGETHER?

- 1 College and Students might use it anywhere such as in their rooms, at the library, or even in a café between classes.
- 2 High schoolers could use it right after school or in any spot they find comfy for studying.
- 3 Teachers and tutors might use it from their desks at home or school, wherever they plan out their lessons or give students a helping hand.



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### PROJECT DIARY

#### GROUP OF USERS:



**College and  
University  
Students**



**High School  
Students**



**Tutors and  
Educators**

#### WHAT TO DO ON LEARNTOGETHER?

- 1 Students will sign in to join virtual study groups, swap notes, and break down their homework problems together.
- 2 High schoolers will chat about their schoolwork, share what works for studying, and even team up to make study tools like flashcards.
- 3 Teachers and tutors can share cool study materials and give extra help to any student who needs it, all from their computer / Laptop / Tablet.





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### PROJECT DIARY

#### GROUP OF USERS:



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**High School  
Students**



**Tutors and  
Educators**

#### WHY WILL THEY USE LEARNTOGETHER?

- 1 It makes working as a team on school stuff simple, no matter where everyone is.
- 2 For teachers and tutors, it's a handy way to stay connected with their students and make sure everyone's keeping up.
- 3 It's all about making study time more helpful and less of a headache, because you've got everything you need for studying in one place online.

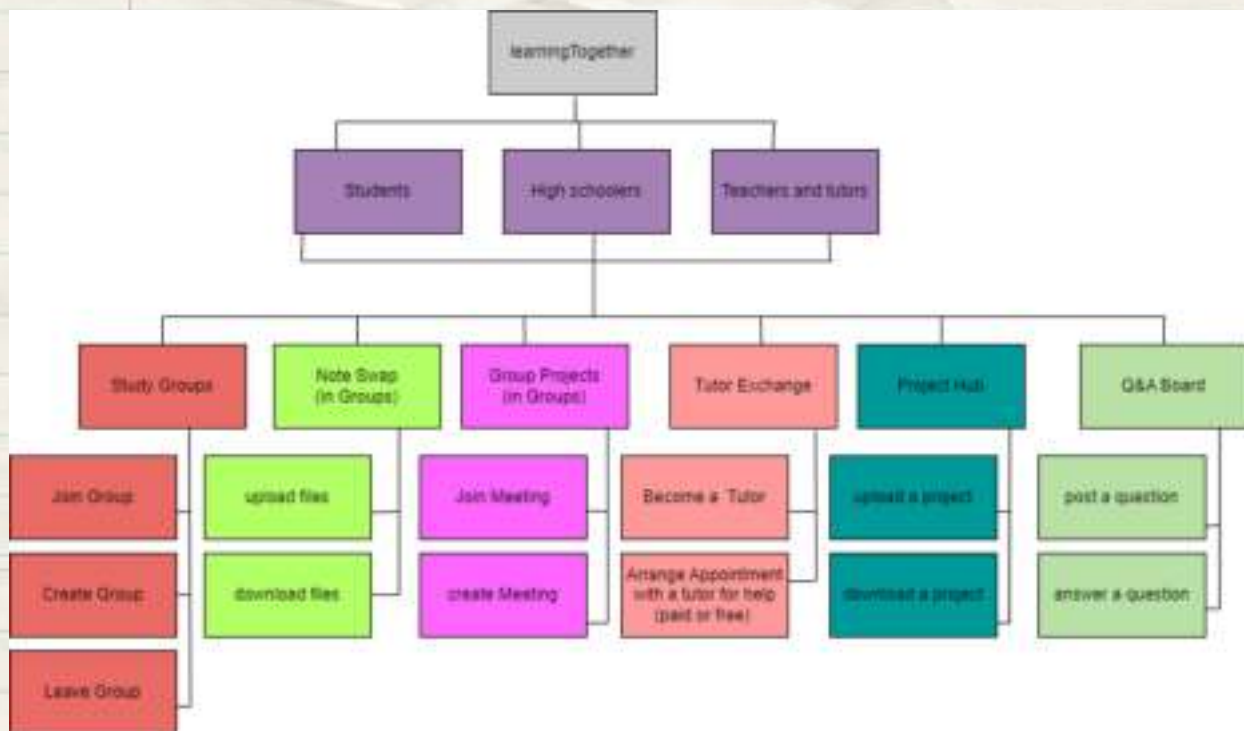


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### HIERARCHICAL TASK ANALYSIS



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### HIARCHICAL TASK ANALYSIS TASKS - DETAILS:

#### For All Students:

**Study Groups:** Think of this like an online hangout where students can get together to study.

**Note Swap:** A place where you can share your study notes by uploading them for others or downloading notes you need.

**Group Projects:** Just like in-person group work, you can team up with classmates online to work on big projects together. You can set up online meetings to chat and plan your work.

#### For High Schoolers:

It's pretty much the same deal as for all students. They can jump into study groups, swap notes, and work on group projects too, which is perfect for when they have big assignments or need to cram for tests.

#### For Teachers and Tutors:

**Tutor Exchange:** If you're a tutor, you can let students know you're available to help them out. If you need extra help, you can find a tutor here.

**Project Hub:** Teachers can put up cool class projects here for students to check out and download, giving them extra stuff to learn and do.

#### And for Everyone:

**Q&A Board:** Got a question about your homework or something you're studying? Ask it here and someone will help you out. Or, if you know the answer, you can help someone else.





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### USER REQUIREMENTS:

- **Age Group:**
  - All you students out there, from high school to college, this is your jam.
- **Open to All:**
  - No matter who you are, LearnTogether is ready for you.
- **School Experience:**
  - Freshman or nearly graduated, there's something here for you.
- **Language Skills:**
  - Good with English or German? Great. Still getting the hang of it? No problem.
- **Web Surfing:**
  - If you can navigate a webpage, you're set to use this app.
- **Study Vibes:**
  - Totally into studying or not so much, LearnTogether can help make it better.

### USABILITY CRITERIA:

- **Simple to Use:**
  - This app is straightforward—no fuss, no muss.
- **Jump Right In:**
  - Start using it from the get-go; there's no long how-to manual.
- **Mistake Friendly:**
  - Hit a snag? Just hit 'undo'. Plus, the app gives tips if you're confused.
- **Customize Your Way:**
  - You can adjust the settings to make the app feel like it's truly yours.
- **Cool Design:**
  - And it's got style, so you'll look forward to logging in.

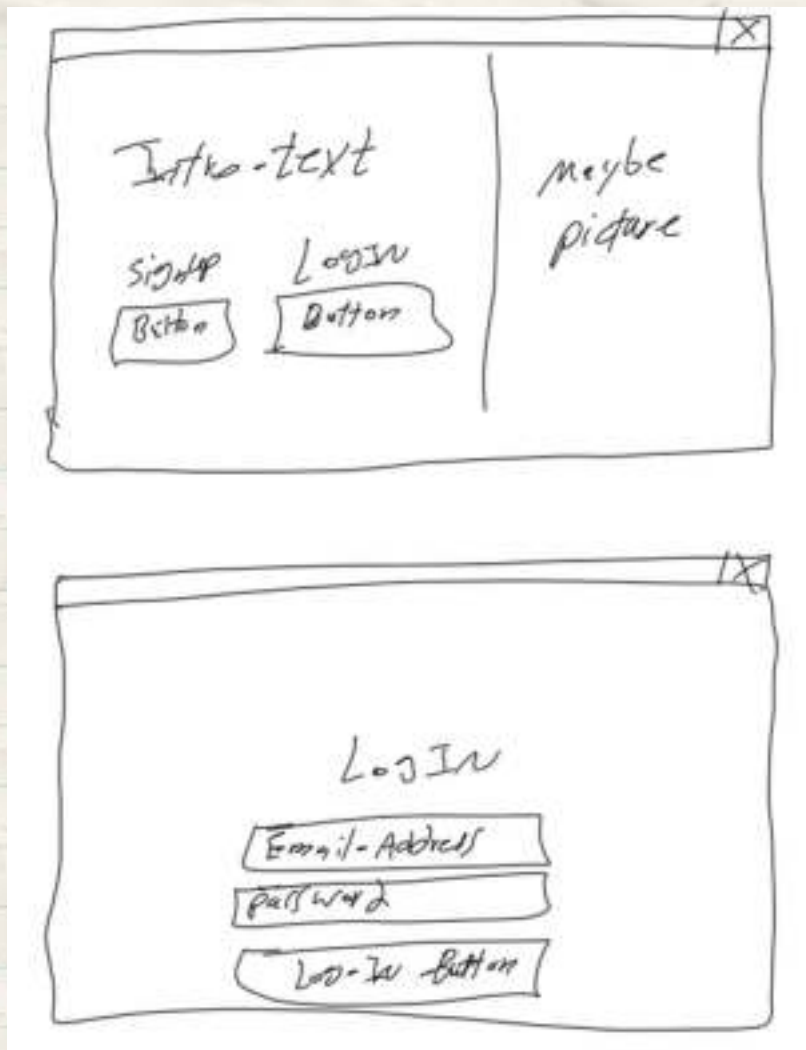


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### PAPER PROTOTYPE





# HUMAN COMPUTER INTERACTION

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### PAPER PROTOTYPE

maybe picture here

SIGN-UP

First-Name

Last-Name

Email-Address

Password

Confirm-Password

SIGN-UP-Button

Home Create Group Groups Tutor Exchange Project Hub Q&A

List of Groups

Group-name University-name Members Count Join

// // Join

↓

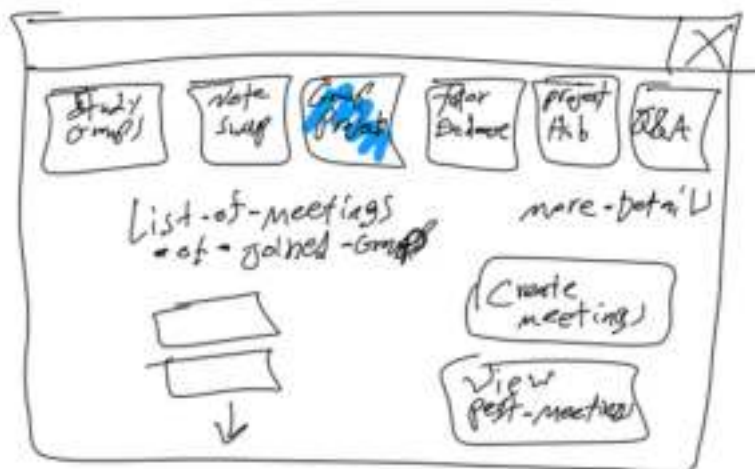
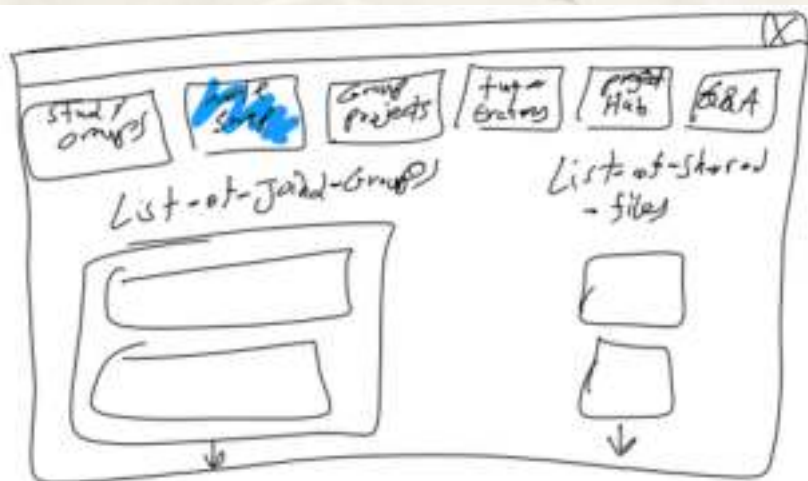


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### PAPER PROTOTYPE

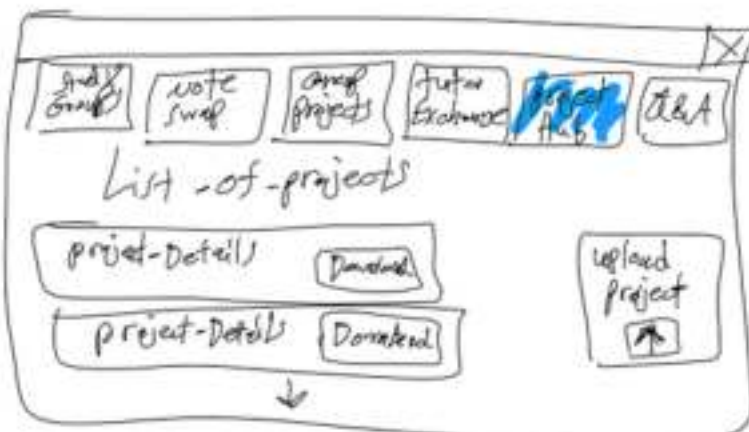
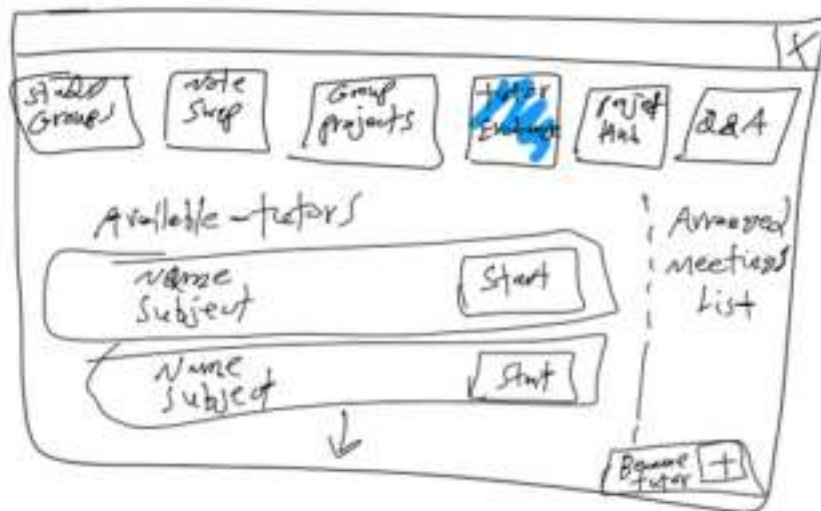


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### PAPER PROTOTYPE



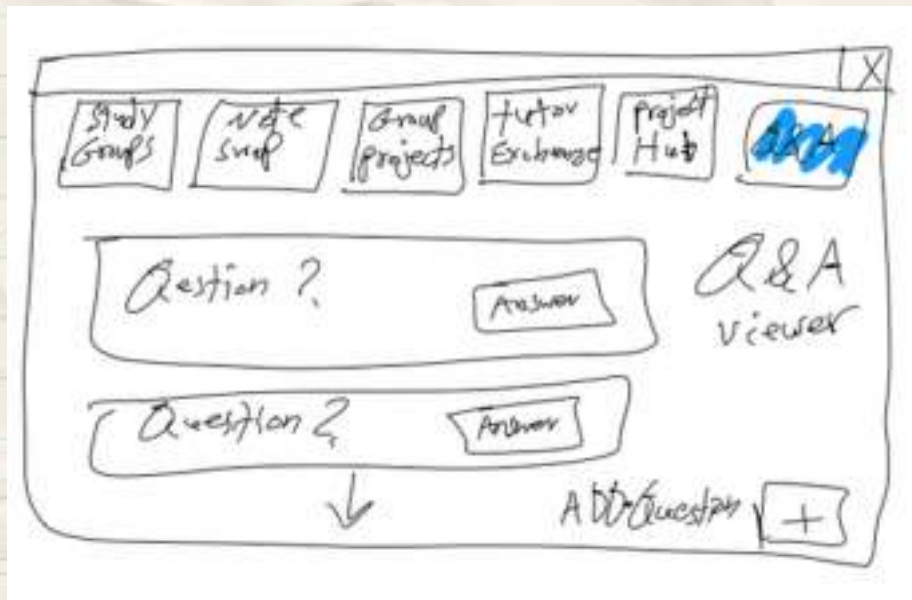


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### PAPER PROTOTYPE



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### ONLINE-SURVEY (INTERVIEW - 6 PARTICIPANTS)

- I. Ever tried a study app?
  - I) Yep, they're great!
  - II) A few times, they're okay.
  - III) Nope, but ready to try.
  - IV) Nope, not sure if I want to.
- II. How do you like your study groups?
  - I) Super quiet, just work.
  - II) Chatty and full of ideas.
  - III) A little of both, please.
- III. When's your brain in top gear for studying?
  - I) Crack of dawn, fresh and bright.
  - II) Afternoon, after the school bell rings.
  - III) Night, with my cozy study lamp.
- IV. Cool with sharing your notes?
  - I) For sure, let's swap!
  - II) Maybe, if it's a subject I'm good at.
  - III) Kind of shy about it.
  - IV) Nah, I like to keep them to myself.
- V. What would make group projects online way easier?
  - I) Knowing who does what.
  - II) Being able to talk it out easily.
  - III) Flexibility to work anytime.
  - IV) All that stuff, really.
- VI. If you could get help from a tutor, what would you ask?
  - I) How can I study smarter?
  - II) Can you explain this tricky part?
  - III) Got any plans to organize my studying?
  - IV) Just need a hand when I'm stuck.
- VII. What's gotta be in your perfect study app?
  - I) Simple to use, no headaches.
  - II) Lots of practice stuff.
  - III) Fun things, like games or challenges.
  - IV) Space for me and my friends to study together.



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ONLINE-SURVEY (INTERVIEW - 6 PARTICIPANTS)

INTERVIEW - DISCOVERIES:

Most participants enjoy using study apps and find interactive features like games highly engaging.

There's a slight preference for lively study groups and studying later in the day.

The majority are open to sharing their study notes and appreciate having clear guidelines for online group projects.

When they get stuck, participants are split between seeking help from videos, friends, or just taking a break.

Chatting and sharing with others is popular, but there's also love for quiet time with the books.





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## LearnTogether CONCEPTUAL DESIGN (PROTOTYPE) SIGN-UP-FLOW



[CLICK HERE](#)  
[FIGMA-DESIGN](#)



# HUMAN COMPUTER INTERACTION



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### CONCEPTUAL DESIGN (PROTOTYPE)

#### SIGN-IN-FLOW



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[FIGMA-DESIGN](#)



# HUMAN COMPUTER INTERACTION



## LearnTogether CONCEPTUAL DESIGN (PROTOTYPE) STUDY-GROUPS-JOIN-FLOW



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[FIGMA-DESIGN](#)





# HUMAN COMPUTER INTERACTION



## LearnTogether CONCEPTUAL DESIGN (PROTOTYPE) STUDY -GROUP-LEAVE-FLOW



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[FIGMA-DESIGN](#)



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### CONCEPTUAL DESIGN (PROTOTYPE)

### STUDY-GROUPS-CREATE-FLOW



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[FIGMA-DESIGN](#)



# HUMAN COMPUTER INTERACTION



## LearnTogether CONCEPTUAL DESIGN (PROTOTYPE) NOTE-SWAP-FLOW



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[FIGMA-DESIGN](#)





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### CONCEPTUAL DESIGN (PROTOTYPE)

### NOTE-SWAP-DOWNLOAD-FLOW



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[FIGMA-DESIGN](#)



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## LearnTogether CONCEPTUAL DESIGN (PROTOTYPE) NOTE-SWAP-SEARCH-FLOW



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[FIGMA-DESIGN](#)

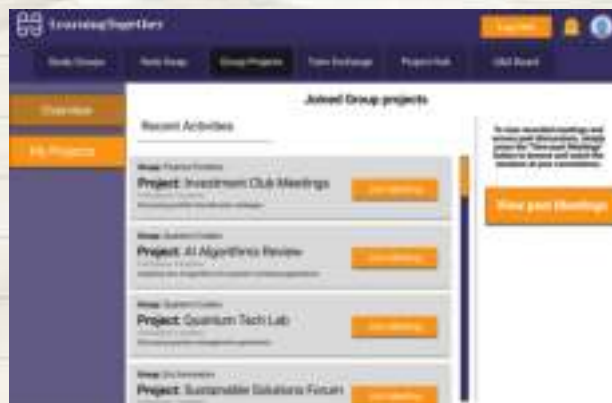


# HUMAN COMPUTER INTERACTION

## LearnTogether

### CONCEPTUAL DESIGN (PROTOTYPE)

#### GROUP-PROJECTS-JOIN-MEETINGS-FLOW



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[FIGMA-DESIGN](#)





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### CONCEPTUAL DESIGN (PROTOTYPE)

### GROUP-PROJECTS-MYPROJECTS-FLOW



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# HUMAN COMPUTER INTERACTION

## LearnTogether CONCEPTUAL DESIGN (PROTOTYPE) TUTOR-EXCHANGE-FLOW



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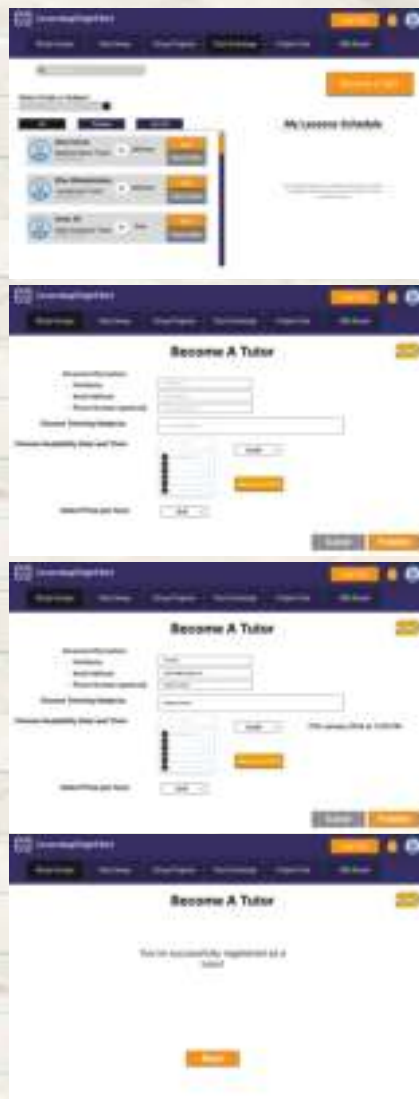


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### CONCEPTUAL DESIGN (PROTOTYPE)

#### TUTOR-EXCHANGE-BECOME-TUTOR-FLOW



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### CONCEPTUAL DESIGN (PROTOTYPE)

### PROJECT-HUB-DOWNLOAD-FLOW

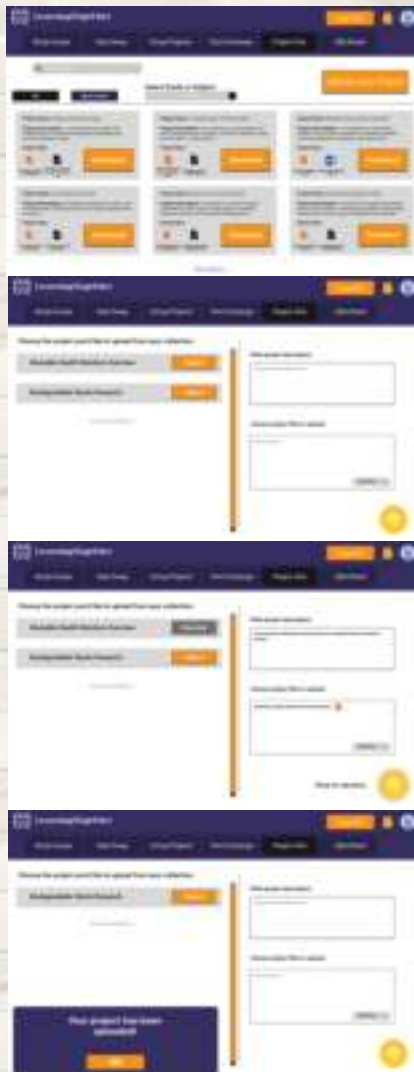


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# HUMAN COMPUTER INTERACTION

## LearnTogether CONCEPTUAL DESIGN (PROTOTYPE) PROJECT-HUB-UPLOAD-FLOW



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### CONCEPTUAL DESIGN (PROTOTYPE)

### Q&A-QUESTION-ANSWER-FLOW



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### CONCEPTUAL DESIGN (PROTOTYPE)

### Q&A-QUESTION-VIEW-ANSWER-FLOW



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# HUMAN COMPUTER INTERACTION

## LearnTogether

CONCEPTUAL DESIGN (PROTOTYPE)

Q&A-QUESTION-POST-QUESTION-FLOW



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