Project Description

Project Task requirements

Project Requirements:
Must be completed with your group before workshop 2

Must have a repo in github which all group members can access and send us the link on slack. (See instructions "How to hand in" below.)
In order to create a repo, you will need to decide on a project name

Project Description: Write 3-5 sentences on your project topic. (try to address all points below)

- Who is it for?
  It is for students who are looking for a tutor as well as tutors looking to find students to teach
- What will it do? (What "human activity" will it support?)
  It will allow students to submit questions and allow tutors to choose students amongst the pool of questions
  The matched tutor-student pair will then be brought into a private room with a collaborative whiteboard and optional video/audio calling + screen sharing
  The collaborative whiteboard should ideally have multicoloured pens, erasers, support text inputs, and a shapes tool (ie. rectangle drawer)
  The private room will have a timer to record the duration of the tutoring session
- What type of data will it store?
  - Student requests
  - Student feedback/comments on tutor
  - Student account info
    - Name, grade, hours tutored
  - Tutor account info (area of expertise, education level, etc.)
    - Name, ratings
- What will users be able to do with this data?
  The students will be able to see their tutors qualifications and tutors will be able to sort through the students requests
- What is some additional functionality you can add/remove based on time constraints?
  - Retain chat logs
  - Random call/video logs (quality assurance)

Project task requirements:
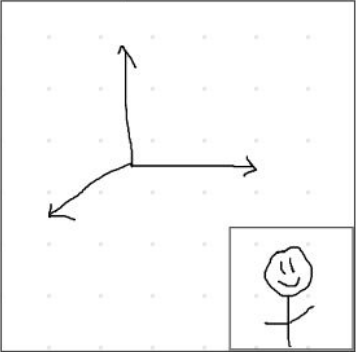- 3-5 minimal requirements (will definitely complete)

- ○ A page for tutors to choose from a list of current questions
- ○ A profile page show student/tutor info
- ○ Video + audio call
- ○ Instant live messaging
- ○ Screen sharing
- ● 3-7 "standard" requirements (will most likely complete)
  - ○ Web app will be supported by Google authentication. Students can login through google account and no need to sign up.
  - ○ Students can rate tutors and comments every time after tutoring(as anonymous). It will affect tutors rate and update to the tutor profile.
  - ○ Students can edit personal info though their profile page.
  - ○ Filter on homepage to choose students based on criteria
    - ■ tutors will choose students from the pool of questions
      - ● this ensures that the tutor will be able to answer the student's questions
  - ○ Students can message tutor though web APP(more like leave msg, and tutor reply)

- ● 2-3 stretch requirements (plan to complete 1!)
  - ○ Shared collaborative whiteboard which shows mouse pointer
    - ■ with option to export the whiteboard to save notes
  - ○ Mobile compatibility
  - ○ File sharing

- ● Pick 2 of your minimal requirements and break each of them down into ~2-5 smaller tasks! This will help you divide up work among your teammates
  - ○ question selection page
    - ■ filter function for subject/grade level
    - ■ expand feature for long questions
    - ■ ability for tutors to choose and accept a question to be redirected to virtual classroom with student
    - ■ live updating of student questions (added by students/taken by tutors)
  - ○ Video call
    - ■ Implement WebRTC Web API such that it is compatible for p2p calling
    - ■ Implement a system of calling that lets users initiate calls and accept or decline them
    - ■ Make sure that the channel only contains those two participants
    - ■ Timestamps on chat logs

Finally, draw 2-3 rough sketch prototypes of some key tasks of your app. Sketch these physically on paper and then scan and add to your repo.

Live Tutoring

Toggle between screenshare/collaborate whiteboard

Screenshare/Whiteboard

Hi

Hello

Enter message here...

Send

Video Source

Facecam

Audio Source

Blue Yeti

End Call

Home   Pricing   Find Student

Log Out

Filter By

Subjects   Math

Grade Level

Keywords   Enter here...

Showing 1-10 of 100 Results

Michael Ji
Math - UVIC student
Description of problem goes here
Expand

Michael Wu
History - Thompson River University
Description of problem goes here

Brian Chao
Math - Capilano University
Description of problem goes here

How to hand in:

Put all of the writing (Project Description, Project Task requirements, task breakdown), as well as your prototypes into the README of your project repo. Send the repo link to your lab TAs in a slack channel along with your group members. ALSO, for each team member, go on slack and edit your profile. In the "What I do" space, put your team name!