

Project 3 proposal by @Yian Chen and @Amanda AuYeung:

Project Name: Tutor Matching Website

Project Description:

We want to build a tutor matching app for students and tutors. The app helps students (users) to match a tutor according to their academic needs. The main collections in the db would be user basic info and classes, the other collection would be the tutor profiles, such as tutor's academia record and reviews.

Functionalities:

- User login and account creation for students and tutors @Amanda Au-Yeung
- Displaying tutor profile info with students reviews and tutor qualification @Yian Chen
- Creating matches (students could select topics they want to be tutored in, and we match the keywords to the tutor's specialties/price range in the tutor profiles) @Yian Chen
- Students can rate/review tutors @Yian Chen
- Membership type for students (\$70/month for 3 classes on any subject, \$100/month for 5 classes on any subject, \$25 for a single class) @Amanda Au-Yeung
- Tutor's profiles will display availability for students to book, students also have the option to see view all available times for all tutors and select one @Yian
- Calendar @Yian
- Student Profile, image, info, full CRUD functionality @Amanda Au-Yeung

User Personas:

Bob: 20 year old male

Pronoun: He/Him

Occupation: student

Hobbies: Gaming, hiking, biking

Location: Boston, MA

Goals: Getting better in his organic chemistry and physics classes at Northeastern University

Limitations: Cannot afford pricey tutors, but needs the one-on-one attention

Jane: 30 year old female

Pronoun: She/her

Occupation: History Teacher with 2 kids looking to jump ship into tech

Hobbies: Movies, reading, theater

Location: San Jose, CA

Goals: Pivot into tech by attending a bridge program in computer science then getting a Master's degree in Computer Science

Limitations: Mostly free on weekdays when her kids are at school

Joe: 17 year old non-binary

Pronoun: They/them

Occupation: High school student

Hobbies: Photography, music

Location: San Diego, CA

Goals: Get better at Calculus and Physics classes and also prepare for the SAT for college application

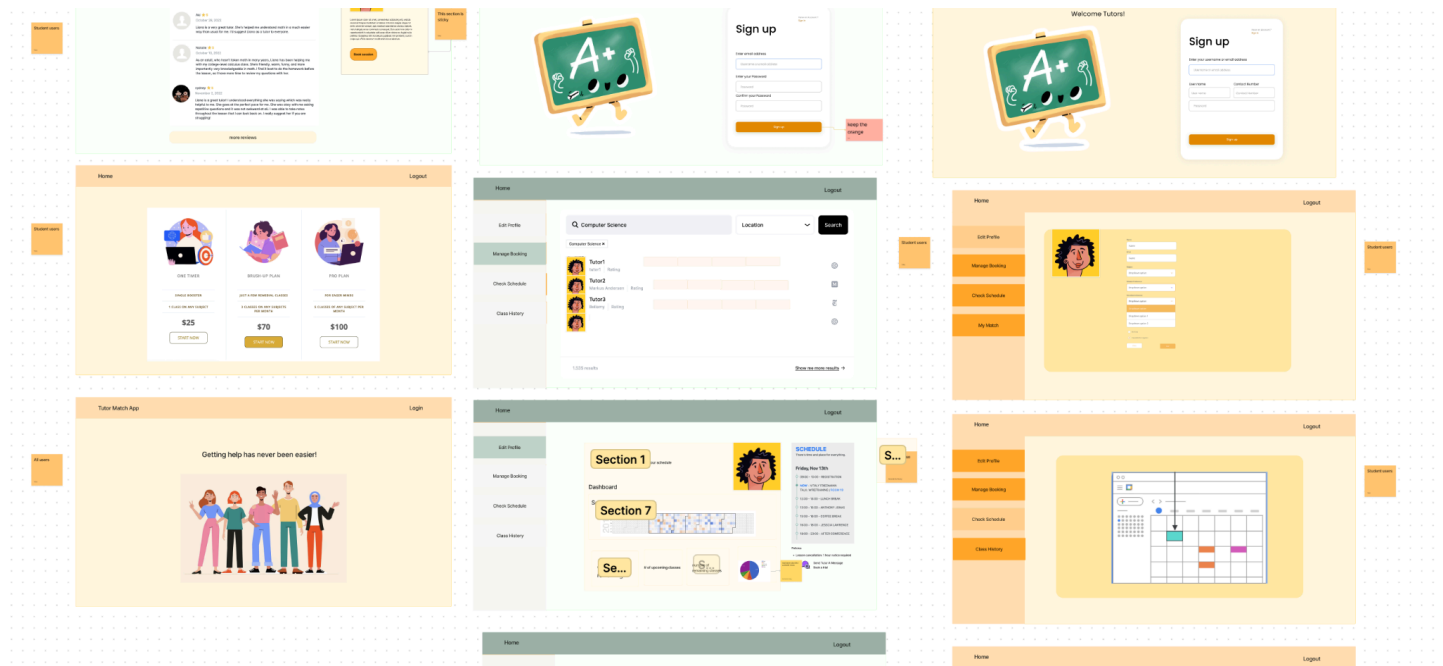
Limitations: mostly free weekdays in the evening or on weekends because of school commitments during the day

User Stories (use cases but with a story):

- Bob is a 20-year-old student who is a freshman at Northeastern University . He is currently struggling with college classes and looking to find a tutor to help him. So far, he hasn't found a tutor that matches his needs. He wanted to find a tutor that can meet him online who has more flexibility.
- Jane is a 30-year-old student who used to work as a history teacher. She just jumped ship from history to a computer science program. She wanted extra help to build her foundation in computer science. She decided to look for a tutor that can meet on a weekly basis in person. She wanted someone that can also answer her questions offline. She decided to join a subscription program.
- Joe is a 17-year-old high school student struggling with their Calculus and Physics classes. Joe's mother wants them to get some help so she can ace his classes. Joe's mother heard about the tutor match app through their friend and thinks the pricing is reasonable, so she signs Joe up for membership and finds them a tutor that teaches calculus and another that teaches physics.

Design mockups:

<https://www.figma.com/file/xn2avkmMPsgbc284Jr5bZn/Tutor-Web-App?node-id=0%3A1>

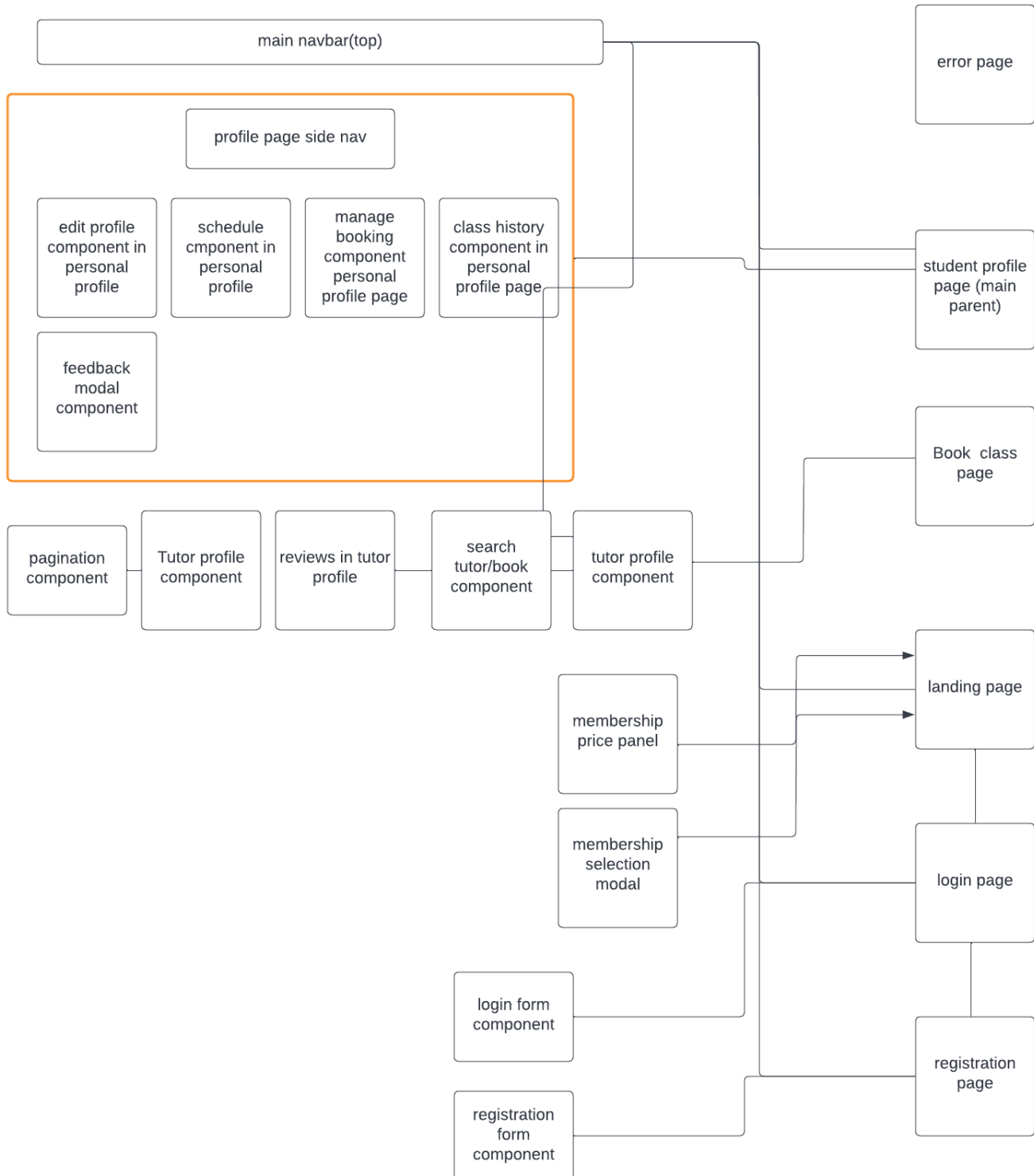


Component diagram:

[https://lucid.app/lucidchart/a5a1f4d4-5b87-45cd-b43c-f08b0fc7284e/edit?beaconFlowId=A5A22474F41686B2&invitationId=inv\\_d7999807-7346-4a67-9648-bcf2c1e5544a&page=0\\_0#](https://lucid.app/lucidchart/a5a1f4d4-5b87-45cd-b43c-f08b0fc7284e/edit?beaconFlowId=A5A22474F41686B2&invitationId=inv_d7999807-7346-4a67-9648-bcf2c1e5544a&page=0_0#)

## components

## pages



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Reference:

<https://www.wyzant.com/>

<https://developers.google.com/maps>

<https://developers.google.com/calendar/api>

Here is the tentative **rubric**:

- ☒ ~~Does the app accomplish all the requirements approved in #project —15~~
- ☒ ~~Is the app usable? Does it include instructions on how to be used? —5~~
- ☒ ~~Is the app actually useful? Would a final user use it? —5~~
- ☒ ~~The code includes an eslint config file and it doesn't throw any error —5~~
- ☒ ~~Is the code properly organized. Each react component in its own file. Database files separate, CSS into folders, etc. —5~~
- ☒ ~~Does it implement at least 3 React Components (using hooks) —15~~
- ☐ Is the project deployed on a public server? Does it work there? 10
- ☒ ~~Does it use at least 2 Mongo Collections, supporting CRUD operations on them? —15~~
- ☒ ~~Is the database populated with at least 1k synthetic records? —10~~
- ☒ ~~Does the app use node + express —5~~
- ☒ ~~All the code is formatted using Prettier —5~~
- ☒ ~~Doesn't use non standard tags for accomplishing tasks that should be done with standard components? e.g. Buttons implemented with divs or spans —5~~
- ☒ ~~Is the CSS organized by Modules? Each module has its own css file as shown in class —5~~
- ☒ ~~Clear and descriptive README including: \* Author \* Class Link \* Project Objective \* Screenshot \* Instructions to build —5~~
- ☒ ~~It doesn't expose any secret credentials such as the Mongo USER and Password —5~~
- ☒ ~~Does it include a package.json file listing all the dependencies of the project —5~~
- ☒ ~~Does it use MIT license —5~~
- ☒ ~~The project doesn't include leftover code that isn't used. e.g. routes/users.js or the default react favicon —5~~
- ☐ Is the google Form submission correct (thumbnail displays correctly, and links work as well) 5
- ☐ Does it include a short public and narrated video demonstrating the application 10
- ☐ The code was frozen on time (24 hours before class). Video, slides and deployment were completed before class 5
- ☒ ~~Defines PropTypes for every React Collection 5~~
- ☒