Project Backlog: Tutor App

Team 12

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Problem

While going to school full time, classes can get tough and some students require additional tutoring. Purdue University does not offer a system dedicated for students to find tutors and for tutors to offer their services for specific classes. While bulletin boards with flyers offering tutoring services exist throughout almost every building, many students ignore or do not notice these postings. Our system will offer a fast and reliable way for students and tutors to connect from anywhere, at anytime, via an intuitive interface.

Background Information

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Ultimately our problem that we came up with is that there is no good way for students to

find tutors on campus so we will develop a web application that will allow students to

find a tutor for the classes they are in as well as be a tutor for those classes. This will put us in a few different realms, education, college tutoring and web applications. With this app we will be targeting both tutors, as a way to better get their name out there as a tutor, as well as to students, as a way to find a good tutor for a class or classes that they are in.

1. Similar Products
   1. University Tutor
   2. Chegg Online Tutoring
   3. tutor.com
2. Similar Product Limitations

There are many limitations that the other websites have. University Tutor and tutor.com both allow you to search for tutors by zipcode and class but they do not let you search for a class. Also with those websites they do not have a well laid out UI or website design. Tutor.com does let you search by subject but like chegg the tutoring is only online. What we will do different is that our service will allow students and tutors to connect online but allow them to meet in person on campus, so no online tutoring. Also we will have tutors sorted by skills along with the classes they can tutor so it is not just a subject but a class in the discipline.

Requirements

1. Functional
   1. As a student I would like to be able to find a tutor .
   2. As a student I would like to sort the tutors based on things like class, rating, age, gender, cost, etc.
   3. As a student I would like to rate and write reviews about tutors
   4. As a user I would like to have a username and password login
   5. As a student I would like to be able to rate tutors
   6. As a student I would like to be able to send tutors messages
   7. As a user I would like to be both a student and a tutor
   8. As a user I would like to recover my password if I forget it
   9. As a user I would like a simple and intuitive interface
   10. As a student I would like to be able to make a group of students for a tutor
   11. As a student I would like to be able to find a tutor that specifies in a specific topic within a class
   12. As a user I would like to be able to upload a profile picture
   13. As a user I would like to be able to see a location on campus
   14. As a student I would like to pay for my sessions through PayPal
   15. As a user I would like to have a calendar that has all my scheduled meetings and free time on it
   16. As a user I would like to get an email reminding me about my meetings for the day
   17. As a student I would like to see the rates of the tutor
   18. As a student I would like to have “favorite” tutors
   19. As a tutor I would like to show up in searches I am most relevant
   20. As a tutor I would like to view what classes need tutors
   21. As a tutor I want reviews so I know how to improve myself through different statistics like clarity, knowledge, politeness, and flexibility.
   22. As a tutor I would like to have control of the group and lead the organization sessions
   23. As a user I would like to cancel or reschedule meetings.
   24. As a tutor I would like to be able to show my skills on my profile
   25. As a tutor I would like to guarantee my payments.
   26. As a student I would like to use an auto pay system
   27. As a tutor I would like to communicate with other tutors to talk about problems I do not know
   28. As a tutor I would like access to the class syllabus for the semester
   29. As a user I would like a tutorial on how to use the website
   30. As a user I would like to be able to ask questions,make suggestions and report bugs to the development team.

Non-Functional

1. We need a searchable database for the classes at the university.
2. We need a searchable database of users in the system.
3. We need a searchable database of skills for tutors to select from.
4. We need our databases to be secure and protected
5. We need to make sure that the webapp performs well on mobile and computer devices
6. We need to be able to work in all browsers.
7. We need to have error handling
8. We need to make sure logins are secure
9. We need to be able to bring up the server instantly if it crashes
10. We need to have an API to get tutors for classes
11. We need to have our API well documented
12. We need to make sure the webapp and server are scaleable
13. We need a thin client and have the server do most of the processing