

CS 408

PROJECT CHARTER

Team 4

Project Name: TutorMe

Team Members:

Matt Coker
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Zachary Kent

Problem Statement

Every student, at some point, has felt the need for someone to tutor them, when they are stuck with a difficult topic or tough homework problems. There are other students who are willing to tutor the ones in need for a fee, but they still use old school flyers, and the students do not even know about them. There is a need for such a platform to exist where the students (those in need) can seamlessly connect to tutors (those who can provide).

Project Objectives

- To Develop a platform for students to be able to look for tutors, and for tutors to add themselves to the list of tutors of specific courses.
- To enable users to be able to make accounts and sign in using their Purdue email address as username (for consistency and credibility) and a password (different from a Purdue Account).
- To allow students to be able to search for tutors for each course in the university (if available) and look at the times they are available in a calendar view. They should also be able reserve them within the application for the timing they like.
- To provide students the ability to choose whether they want individual sessions, or group sessions. The tutor will need to mention which session (single or group) each time corresponds to.
- To create a review system for students to rate and review tutors anonymously, as well as look at the ratings of tutors.
- To create a master calendar for each course which displays the available times for all the tutors in a specific course.
- To possess the ability for tutors to add/remove themselves in courses they're familiar with tutoring, along with times they're available, and hourly rates they charge for each session.
- To develop an API which will manage user profiles, settings and preferences.

Stakeholders:

- **Project Manager:**
Matt Coker
- **Users:**
 - Students seeking tutoring
 - Tutors
 - Professors
 - Department
- **Developers:**
 - Matt Coker
 - Rajat Srivastava
 - Srishti Gupta
 - Travis Kent
 - Zachary Kent
- **Product Moderators/Maintenance:** University

Project Deliverables

- It will be a web application which the students, professors and the department will be able to access using their computers or phone browsers.
- The Front-End website page will be built using HTML, CSS and AngularJS. This website will be used by students and tutors, as well as professors.
- The Back End of the product will be handled using .NET framework in C#. It will handle the system of sending requests to tutors, and accepting requests from the students who sent it, along with the student accounts.
- A database will maintain all the courses, the tutors enrolled for that course, as well as the details of the tutor. It will also maintain the accounts of the students in a secure manner. SQL will be used for the database.
- The website could also be used by product moderators to add/remove courses, and tutors.
- The website will allow a user to sign-in with 2 modes: Student Mode and Tutor Mode.
 - The users signing in with Student Mode will be able to search for tutors, look at their information, and reserve them within the application.
 - When signed in with Tutor Mode, they will be able to add themselves as a listed tutor in courses they want, and add the pertinent details, like available time, and hourly rate. They will also be able to look at students who have requested to reserve a time slot with them.
- There should be a notification system, where the application will email the student if his/her request is accepted/denied, and will notify the tutor when someone requests to reserve a lot with him/her.