



UNIVERSITI
TEKNOLOGI
PETRONAS

TFB1033 - OBJECT ORIENTED PROGRAMMING

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GROUP: TutoBud

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1.1 Description of project

TutoBud seeks to transform tutoring in university by seamlessly linking students with certified tutors. This system improves academic coaching by allowing for better communication and convenient appointment scheduling. A multiple choice of tutors and subjects allows students to access high-quality classes. Students are also given tools like notes to help them study more effectively.

1.2 Objective:

1. TutoBud ensures students have access to highly qualified tutors, improving learning outcomes by offering expert guidance and support
2. TutoBud addresses various challenges in the education sector, promoting digital inclusion and making quality education accessible to all.
3. Our tutor system offers an efficient, time-saving database of registered tutors. Tutors are categorized by subject expertise, educational background and teaching styles making it easier for students to find the right match for their academic needs.
4. TutoBud includes a comprehensive review and rating system. Students can rate and provide reviews for tutors to help future students make decisions.

1.3 Target Market

The target market for TutoBud aimed at connecting university students with tutors is multifaceted. We aim to cater to university students across disciplines, primarily undergraduates grappling with coursework challenges or seeking additional support. This demographic represents a significant portion of our target market, alongside graduate and postgraduate students requiring assistance with advanced subjects or research endeavors. Furthermore, we seek to engage tutors from diverse backgrounds and expertise, encompassing graduate students, teaching assistants, professionals, and educators passionate about imparting knowledge and aiding students in their academic journey. By facilitating this connection through our app, we aim to create a vibrant community where learning thrives and academic support is readily accessible.

1.4 Discussion on commercial value

Based on our research, we have determined that the typical range of prices for students to hire a tutor for a specific subject is approximately 40 to 100 ringgit per hour. We recognize that the cost will vary depending on the level of education the student requires assistance with, as different educational stages demand varying degrees of expertise and preparation from the tutor. To facilitate a more flexible and mutually beneficial arrangement, we have decided to allow tutors the opportunity to set their own fixed prices for their tutoring sessions. This approach empowers tutors to price their services according to their qualifications and experience, while also providing students with the ability to choose the course or educational level that best fits their budget. By doing so, we aim to create a system that offers greater convenience and satisfaction for both students and tutors, ensuring that students can find affordable tutoring options while tutors can be compensated fairly for their expertise.

1.5 Features

User Authentication

Users can register and log in to make their own account either as a student or a tutor.

Course Selection

We promote a variety of university courses for users to choose and there will be a list of eligible tutors for each course so the students can choose with whom they would like to learn the course. The choice of subject is based on the university in Malaysia which is commonly learned by the majority of students.

Search Filter

Students can filter the price range based on their budget and the preferred location area. They can also choose either to learn by face to face or through online platforms to ease the users.

Detailed Profile Creation for Tutors and Students

For tutors, they are able to create their profiles like expertise, qualifications, contact details, availability and subject of interest. The profile will be shown to promote their tutoring programme.

Students also need to create their profiles like university, course program, address and contact details. Students' profiles can only be seen by the tutor so the tutor is able to know their background.

Tutor Profile and Review

Tutor's profile can be seen and reviewed by the student. Student can give star ratings and leave a review after they finished a tutoring session for other users to see.

Payment

Payment for tutoring sessions can be done within the app to make it more secure and avoid scam by the users. The payment method would involve payment gateways e.g., debit card transfer and Maybank2u.