



UNIVERSITI
TEKNOLOGI
PETRONAS

TFB1033/TEB1043/TDB2153:Object Oriented Programming

Java Android Application Proposal

Group members	Course	Matric ID
Aisyah Afqa Binti Zul Hilmi	COE, 1st/3rd	22001703
Ariff Bin Mohammed Yazid	COE, 1st/3rd	22000399
Az Zahra Mohamed Irwan	COE, 1st/3rd	21000467
Dian Rahmawati	COE, 1st/3rd	21000078
Lidiya Irdina Binti Mohamad Azmi	COE, 1st/3rd	22000941
Marsya Anisa Binti Mohd Zudki	COE, 1st/3rd	22000194
Muhammad Azim Bin Azman Nor	COE, 1st/3rd	21000563
Nik Arieq Syahmie Bin Nik Mohd Fakhruanwar	COE, 1st/3rd	21000220
Yaashilahshrie A/P Rajendran	COE,2nd/1st	20001331
Muhammad Aqlan Fahmi Bin Hidzir	COE, 1st/3rd	21000204

Team Organization

Graphic Design Team

The responsibilities of the graphic design team include the creation of designs such as the logo, as well as overseeing the graphic and layout of each individual page. Additionally, the team is responsible for outlining the operational functionality of the visual and interactive elements of the application.

Compiling team

The compiling team will be responsible for combining the visual layout of the application with the codes that facilitate the functional operation of the application. Additionally, they will also be conducting user interface testing to ensure optimal user experience, as well as ensuring that the application is optimised for performance and accessibility.

Coding team

The roles of the coding team include writing the software which the application runs on, analysing user requirements and system functionality, designing the software architecture, developing the code and thoroughly testing the software to ensure it meets the requirements and functions as intended. Consequently, they will also be debugging and troubleshooting issues, and writing clean, maintainable, and efficient code.

Graphic design:	Lidiya, Dian, Yaash
Compile with gfx:	Zahra, Aisyah, Marsya
Coding:	Ariff, Arieq, Azim, Aqlan

Problem

- Hard to find friends, events and classes
- UTP students had to find people and events through various platforms.
- No organization for info in UTP i.e: RD, services, holidays.
- Difficulty in finding target audience for business/hobbies.

The main feature of the app called “UTPinMe” would be a personalized UTP experience for students. Users would create a profile that includes their education, clubs, hobbies, and skills, which would be analyzed by the app to connect with other UTP students. Additionally, the app would allow users to search for Friends of similar interest, Events, Recruitment Drives, Scholarships, Services, etc. All within an organized and simple app.

Another feature would be the addition of a "marketplace". This feature would allow users to search for Food & Beverages, Merchandise, and Services such as Grab within UTP. This feature would be particularly useful for small businesses and startups to promote their products and services.

Further, a lack of organization in information can lead to confusion and inefficiency in a Recruitment Drive, services, and holidays. Without a clear structure, it can be difficult for

students to find the information they need which can cause delays or missed opportunities. Proper organization of information is essential to ensure smooth operation and success. Hence, “News and Announcement” is added in the app.

Finding the target audience for a business or hobby can be challenging. Without a clear understanding of the target audience, it can be difficult to effectively promote and sell a product or service.

In conclusion, the proposed app would serve as a valuable tool for Students, Clubs, and small businesses. This app would help users to effectively connect with other students ultimately leading to increasing one's connection and an educated community.

Solution

How the app works, features, interaction with user

App name: UTPinMe

How the app works

- Connects UTP students
- Find similar interest : same clubs etc.
- Link all UTP stuff
- Find classes venue

UTPinMe app is a search and discovery application service that helps its users discover similar interests through improved communications between students within UTP. Students can get access to the institute's upcoming events, information about amenities, lecture venues and dining options. The UTPinMe app provides convenience to its users seeking specific real-time information by linking together UTP's wide-ranging series of agenda-settling events. The ability to access real-time information on various educational activities such as clubs, small businesses and events may encourage many more students to join and enhance their social networking skills.

App features:

- Events
- Classes
- Mutuels
- Reviews

Among the features in the UTPinMe app includes a feature that updates users on the current or upcoming events in UTP. Users can easily promote their event to all students as well as get information on other events.

Not only that, UTPinMe app will also include a feature that shows students classes, venue and time. This includes a notification, ten minutes before a class, to alert students of any

upcoming classes. In certain cases in which students have difficulties finding their class, this app will show the layout of UTP and pinpoint the class venue from the user's current location.

UTPinMe app also allows users to connect with other users by following each other's profiles. Users can find other users with similar interests and become mutuals. Users can also edit their profile page to their liking to promote themselves to clubs or event committees recruiters.

The last feature in the UTPinMe app includes a feature that allows user to give out or answer any kinds of reviews. For example, a review on events, to get to know students' opinions on the event and how it can further improve. Another example is a review on food at cafes, students can be informed on where to get the best food inside UTP.

Main page:

- In order to get to the main page, for first time users, it will ask the user to sign in with the user's registered UTP email address.
- Secondly, it will ask the user to make their profile. With basic information such as username, name, bio and any related information. You will be able to display your profile and customise your profile page.
- If the user is already registered it will straight away direct you to the home page. At the bottom of the screen, there will be the home icon alongside other icons such as the CoQ, Edu and Social icons.
- In the main page, it will display the latest news, events and anything related that is happening around UTP.

Home page:

- Feed : A location where you may connect and share with the people and things that are important to you.
- Upcoming events : Any upcoming activities can be announced via posters, and students will receive notifications via the app.

CoQ page:

- Instead of posting a notice in the WhatsApp group, clubs organising private events can let students know via the app that they don't want them to read lengthy text messages. In order to help find clubs that are a good fit for the club and students, the app provides a place where they can enter their interests.

Edu page:

- Classes: We will provide students with instructions to help them get to class, and any last-minute adjustments can be announced in the group chat or by an email notification so that they won't be late.
- Reviews: By using the app to rate their classes and professors rather than the SSRT approach, reviews from students will be simpler. To get student comments, lecturers can also access their accounts.

- UTPedia : To avoid having to create several accounts in various applications, students can also retrieve past papers through the app. Everything is included in this software. They can have access to all of their former papers in pdf format by using their subject code.

Social page:

- Mutuals: Through this app, students can easily get connected with other students who share similar interests and from the same background. In this way, students are able to get to know each other and make more friends from their circle.
- Share business (selling food, drinks, merchandise, services, etc.): A platform where students or outsiders can promote their small businesses by posting on this page which creates attention and more customers.
- Grab UTP : Students are able to find grab services more easily by simply contacting students who are doing grab around UTP for a cheaper price compared to other transport services.
- Online resumes : By using this app, students can always edit their account about their personal details, experiences, and field of study. Potential companies are able to view these students' online resumes and current status. This helps students to secure a job or internships in these companies by contacting them via email too.