JANUARY 2023 SEMESTER

DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE

TEB1043 OBJECT ORIENTED PROGRAMMING

JAVA ANDROID APPLICATION PROPOSAL

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Team Organisation

Photo	Biodata	Position Description
	Name: Ahmad Zafri bin Mohd Ramli Student ID: 21000556 Position: Project Director	Plan and make strategic decisions and monitor progress.
	Name: Iman Kamil Bin Mohd Suhaimi Student ID: 21000175 Position: Assistant Project Director	Helps coordinate the project.
	Name: Ammar Afif Bin Mohd Khairie Student ID: 21001232 Position: Secretary	Coordinate communication among members and schedule meetings.
	Name: Muhammad Faris Bin Mohd Rusli Student ID: Position: Assistant Secretary	Helps organize work schedules.
	Name: Aiman Shuhaikal Bin Shuhaimi Student ID: 21001293 Position: Treasurer	Manage and oversee project fundings.
	Name: Mohamad Izhar Bin Ahmad Nordin Student ID: 21001242 Position: Assistant Treasurer	Helps the treasurer with the management of activities.

	Name: Danish Hariz Bin Yusrizal Student ID: 21001071 Position: Head of Operations	Organize and design policies for the project.
	Name: Ikhwan Hanafi Bin Irwan Student ID: 21001245 Position: Head of Human Resource	Coordinate and manage human resources for the project.
	Name: Imran Haqeem Bin Mohd Khassan Student ID: 21001366 Position: Head of Finance	Manage and forecast the budget of the project.
	Name: Muhammad Aqil Fauzan Bin Muhammad Hafidzi Student ID: 21001113 Position: Head of Marketing	Plan marketing strategies for the project.

Problem Statement

Through our group meeting, we have identified a main problem that we want to put our focus on; the difficulty some people face when they want to know the value of a metric or imperial unit. Sometimes, people who work on-site (e.g., architects and engineers) have no access to the internet. Having an offline app that can calculate unit conversions without the need to **wait for an internet connection** just to open the Google search engine will reduce the hassle that people have to go through.

Many converters are divided based on their general categories or have, as one might say, **a lack of centralised platform**. For example, length measurements converter, weight converters, currency converters, etc. Thus, with our all-in-one application, users are able to rely on one single platform to perform measurements and unit converters. This would help to a more efficient process by saving time and reducing resources.

Some of the converter applications available have a very **complicated user interface** with many different buttons which makes it difficult for users to use.

Additionally, calculating unit conversions might be a problem for some people as there are so **many distinct formulae**. This tool helps users who want to quickly convert units in a single conversion cycle seamlessly.

Solution Presented

Based on the problems that we have identified; we came up with several solutions that our application will offer to the user to solve the problems stated. We believe that these solutions can assist users to have better experience in converting various units of universal measurements.

- Our application will assist users to convert numbers of units to other units seamlessly.
- This is pretty much helpful as we work on developing all-in-one converter.
- Our application is also a solution for professional users that in need of converting units offline, thus no continuous internet connection required.
- This programme was created to be used in a variety of jobs and shorten the amount of time you spend working.
- With our application, we aim to create a minimalist interface which is easy to be used and is in line with the modern trend of minimalistic user interface.

Application Description

Length Converter: This feature allows users to convert between different units of length, such as meters, kilometers, inches, feet, and miles.

Weight Converter: This tool enables users to convert between different units of weight, such as grams, kilograms, pounds, and ounces.

Temperature Converter: This feature allows users to convert between Celsius, Fahrenheit, and Kelvin temperature scales.

Area Converter: This tool enables users to convert between different units of area, such as square meters, square kilometers, square feet, square miles, and acres.

Volume Converter: This feature allows users to convert between different units of volume, such as litres, and cubic centimetres.

Time Converter: This tool enables users to convert between seconds, minutes, hours, days, and years.

Digital Storage Converter: This feature allows users to convert between different units of digital storage, such as bytes, kilobytes, megabytes, gigabytes, and terabytes.

Currency Converter: This tool enables users to convert between different currencies, such as US dollars, euros, British pounds, MYR, Japanese yen and many more.