



CCIT FTUI
FAKULTAS TEKNIK

Car Database Application

Faculty:

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Arranged by : Group 4

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Continuing Education Program Center for Computing and Information Technology

Faculty of Engineering, University of Indonesia

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PROJECT ON

Car Database Application

Batch Code : 4 ISA 2

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Name of Faculty : Muhammad Idham Khalif, S.Kom

Group 4

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CERTIFICATE

This is to certify the report, titled **Car Database Application** embodies original work done by Gafrilatif Aviandi Putra Adnanta and Muhamad Farhan Budiana in fulfilling the first Java using Netbeans IDE project assignment in CCIT-FT UI.

Coordinator

Mr. Muhammad Idham Khalif, S.Kom

ACKNOWLEDGEMENT

Praise be to the presence of Allah, SWT. who has helped us in making this project because without the pleasure of it we will not be able to make this project. we also thank to Mr. Muhammad Idham Khalif, S.Kom as our lecturer and mentor in making this project entitled **Car Database Application.**

The success and final outcome of this project required a lot of guidance and assistance from many people and we were extremely privileged to have got this all along the completion of our project. All that we have done is only due to such supervision and assistance and we would not forget to thank them. Hopefully what we have made can be useful in the future.

Best Regards,


Authors

System Analysis

A system analysis of a Car Database Application using Kotlin that uses SQLite database involves identifying the functional and non-functional requirements of the system, such as features for browsing cars, updating the database, and delete data in the database.

A car database application using Kotlin and SQLite database is a complex system that requires careful analysis to ensure it meets the needs of its users. Through system analysis, we can identify the functional and non-functional requirements of the app, such as features for browsing cars, updating the list of cars, deleting a car data on the list, usability, and performance. By considering these requirements, we can design and develop a reliable system that provides an enjoyable experience for user.

Database Design



Astra Daihatsu
LCGC - Ayla R ADS
1000cc CVT AT
Bensin

Astra Toyota
Sedan - All New Vios G
2000cc CVT AT
Bensin

Astra Toyota
Ladder Frame - Innova Zenix Hybrid
Hybrid 2000cc AT
Bensin

Chery Motors
SUV - Omodo 5
1500cc CVT Turbo AT
Bensin

Honda Prospect Motor
Sedan - Civic Type R (FL5)
2000cc Turbo MT
Bensin

Database Design



Indomobil Audi

SUV - Q8 Hybrid

Hybrid 2500cc AT Triptonic

Bensin

Indomobil KIA

Hatchback - EV6

Electric Vehicle - + 500km (75kwh)

Listrik

Indomobil Suzuki

LMPV - Ertiga Sport AT

1500cc VVT

Bensin

Mercedes Benz Indonesia

Truk - Actros

11946cc

Diesel

Mitsubishi Motors

LMPV - Xpander Cross 2022

1500cc CVT MT

Bensin

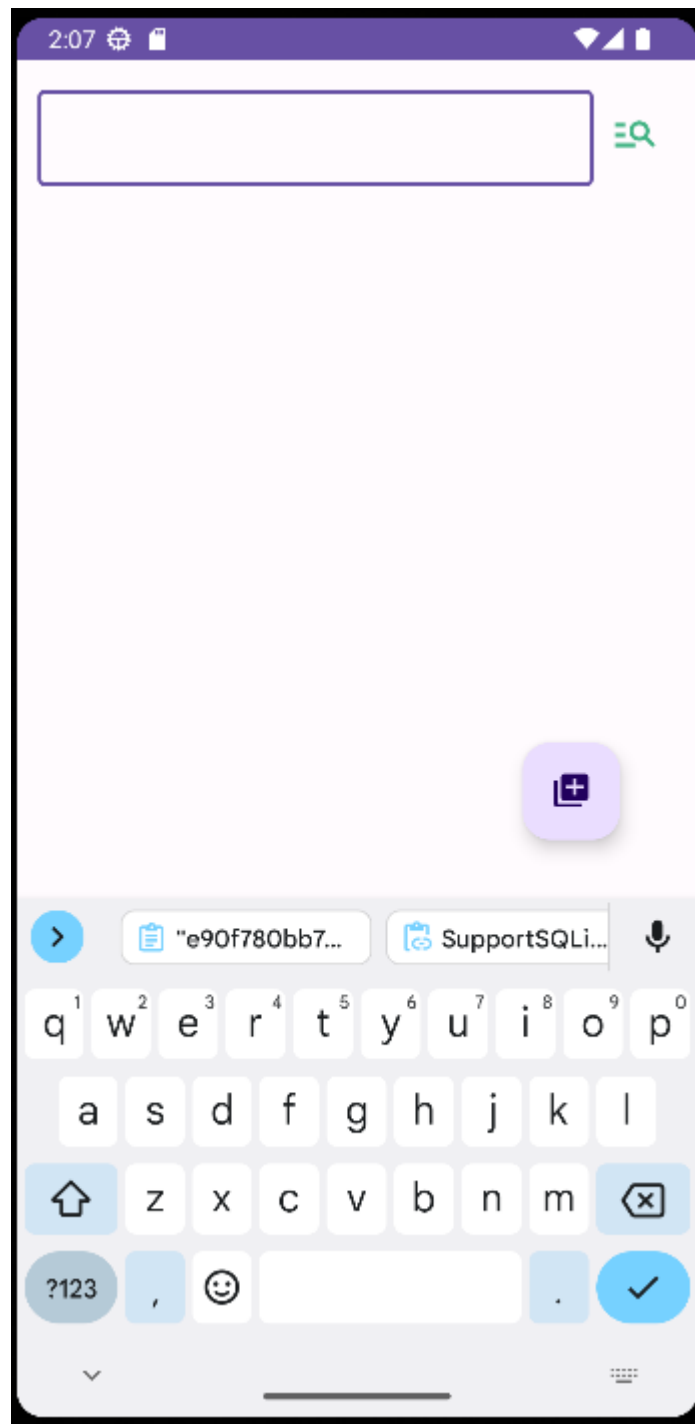
Mitsubishi Motors

SUV - Outlander Sport

PHEV 2500cc AT + EV Mode - +50km

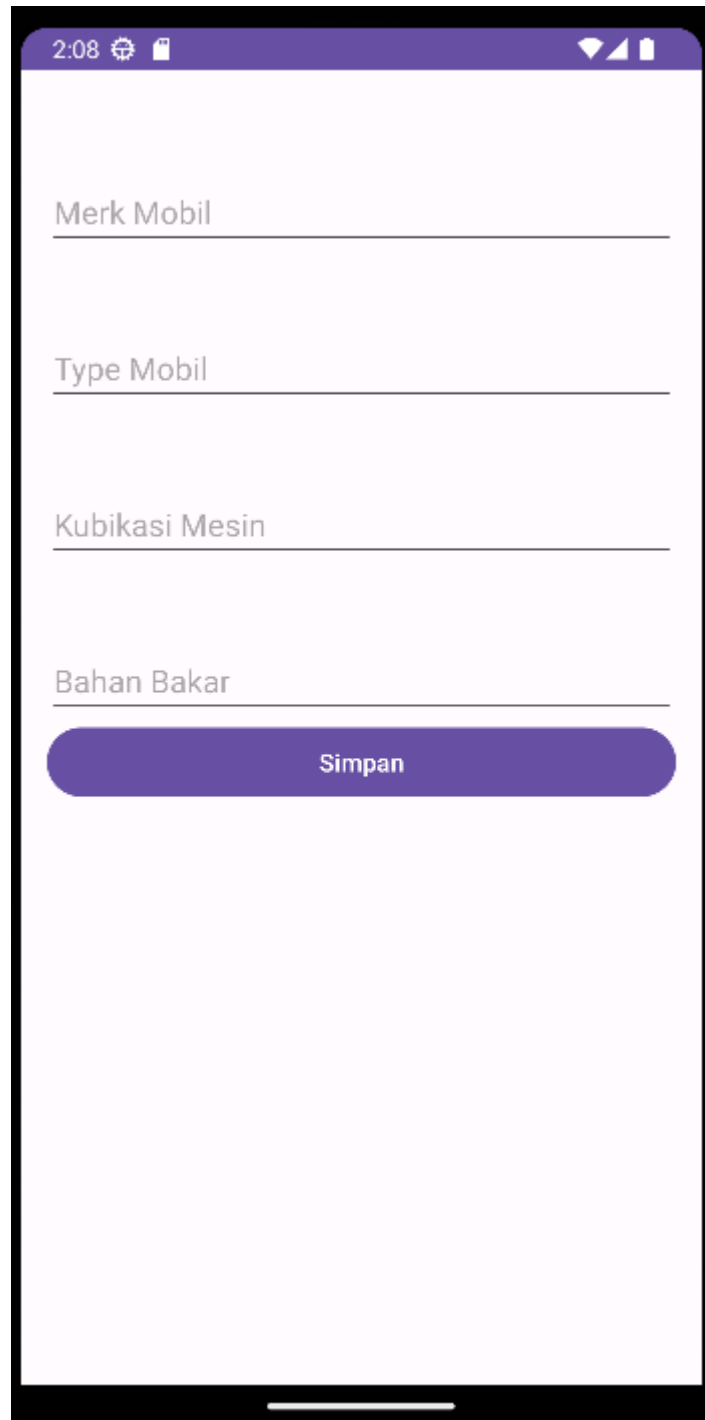
User Interface (UI)

1. Homescreen



User Interface (UI)

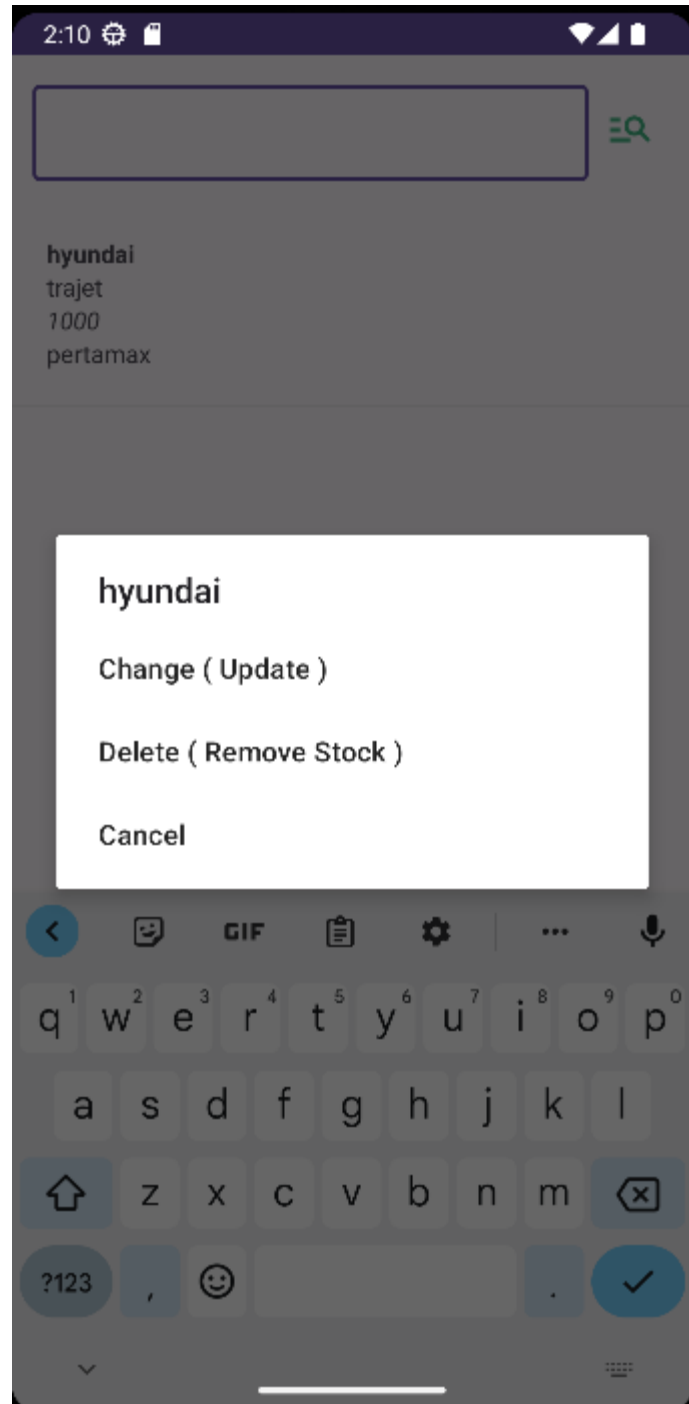
2. Add data



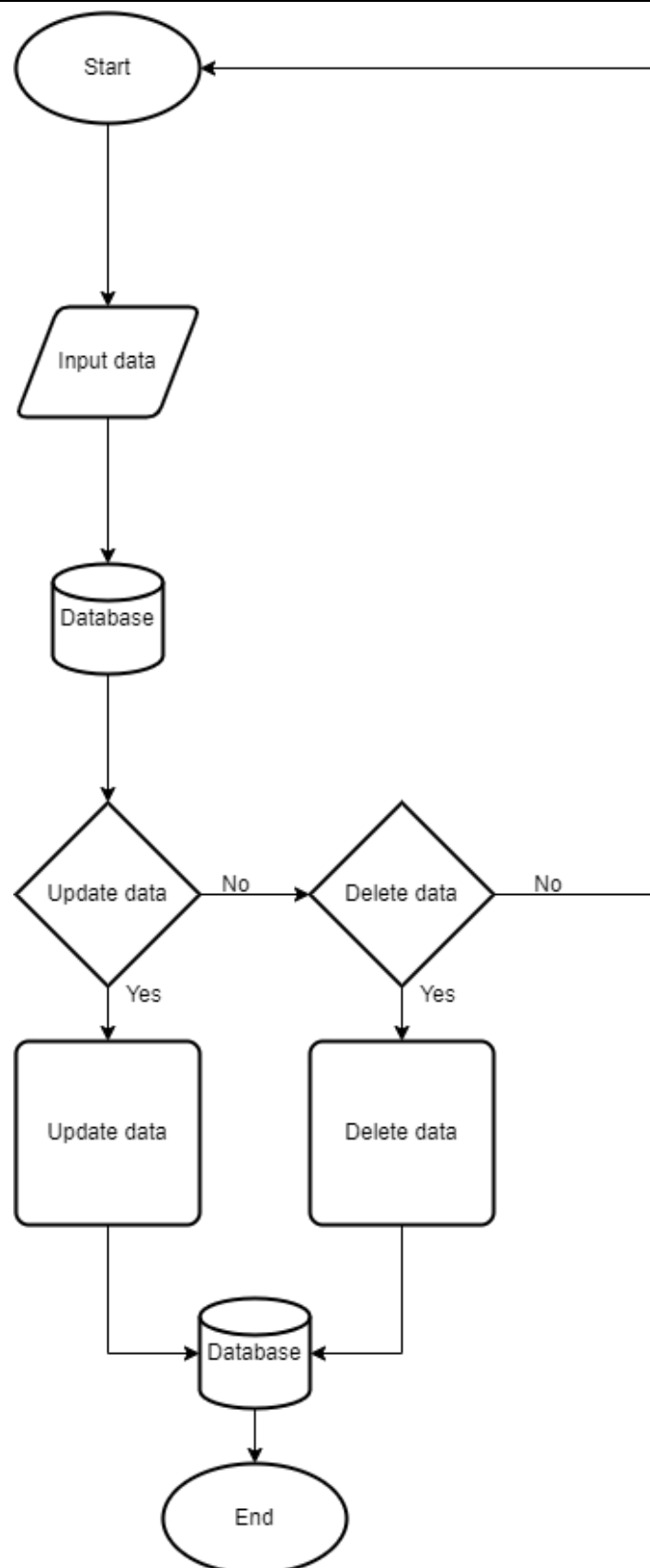
A mobile application interface for adding car data. The screen has a light purple background. At the top, there is a status bar with the time 2:08, a gear icon, a battery icon, and signal strength indicators. Below the status bar, there are four text input fields with labels: "Merk Mobil", "Type Mobil", "Kubikasi Mesin", and "Bahan Bakar". Each label is followed by a horizontal line for text entry. At the bottom of the form, there is a purple button with the text "Simpan" (Save).

User Interface (UI)

3. Edit the list



Flowchart



Configuration

Hardware :

HP Omen 15

Lenovo Legion 5

Operating System :

Windows 10 Home Single Language

Software :

Android Studio

SQLite

PROJECT FILE DETAILS

NO	File Name	Remarks
1	Car Database Application.docx	Microsoft word contains paper of this project
2	Car Database Application presentation.pdf	Figma Presentation
3	CRUDIkan.zip	ZIP file that contains of the program of our project