



UNIVERSITAS  
INDONESIA

**CCITFTUI**  
**FAKULTAS TEKNIK**

## **Car Database Application**

### **Faculty:**

Mr. Muhammad Idham Khalif, S.Kom

Arranged by : Group 4

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**Continuing Education Program Center for Computing and Information Technology**  
**Faculty of Engineering, University of Indonesia**

**2023**

**PROJECT ON**  
**Car Database Application**

Batch Code : 4 ISA 2  
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Name of Faculty : Muhammad Idham Khalif, S.Kom

**Group 4**

- 1. Gafrilatif Aviandi Putra Adnanta (2120010053)
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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*

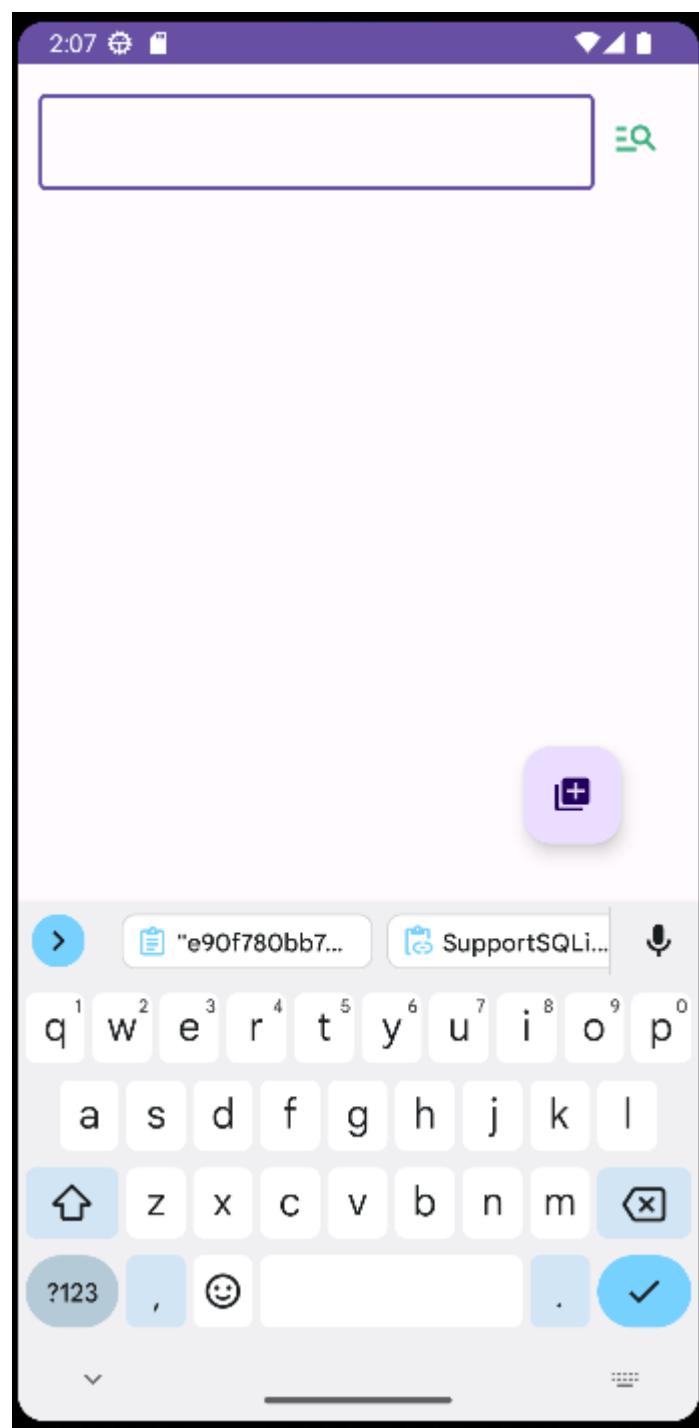
Bensin

# Database Design

<input type="text"/>	
<b>Indomobil Audi</b> SUV - Q8 Hybrid <i>Hybrid 2500cc AT Triptonic</i> Bensin	
<b>Indomobil KIA</b> Hatchback - EV6 <i>Electric Vehicle - + 500km (75kwh)</i> Listrik	
<b>Indomobil Suzuki</b> LMPV - Ertiga Sport AT <i>1500cc VVT</i> Bensin	
<b>Mercedes Benz Indonesia</b> Truk - Actros <i>11946cc</i> Diesel	
<b>Mitsubishi Motors</b> LMPV - Xpander Cross 2022 <i>1500cc CVT MT</i> Bensin	
<b>Mitsubishi Motors</b> SUV - Outlander Sport <i>PHEV 2500cc AT + EV Mode - +50km</i>	

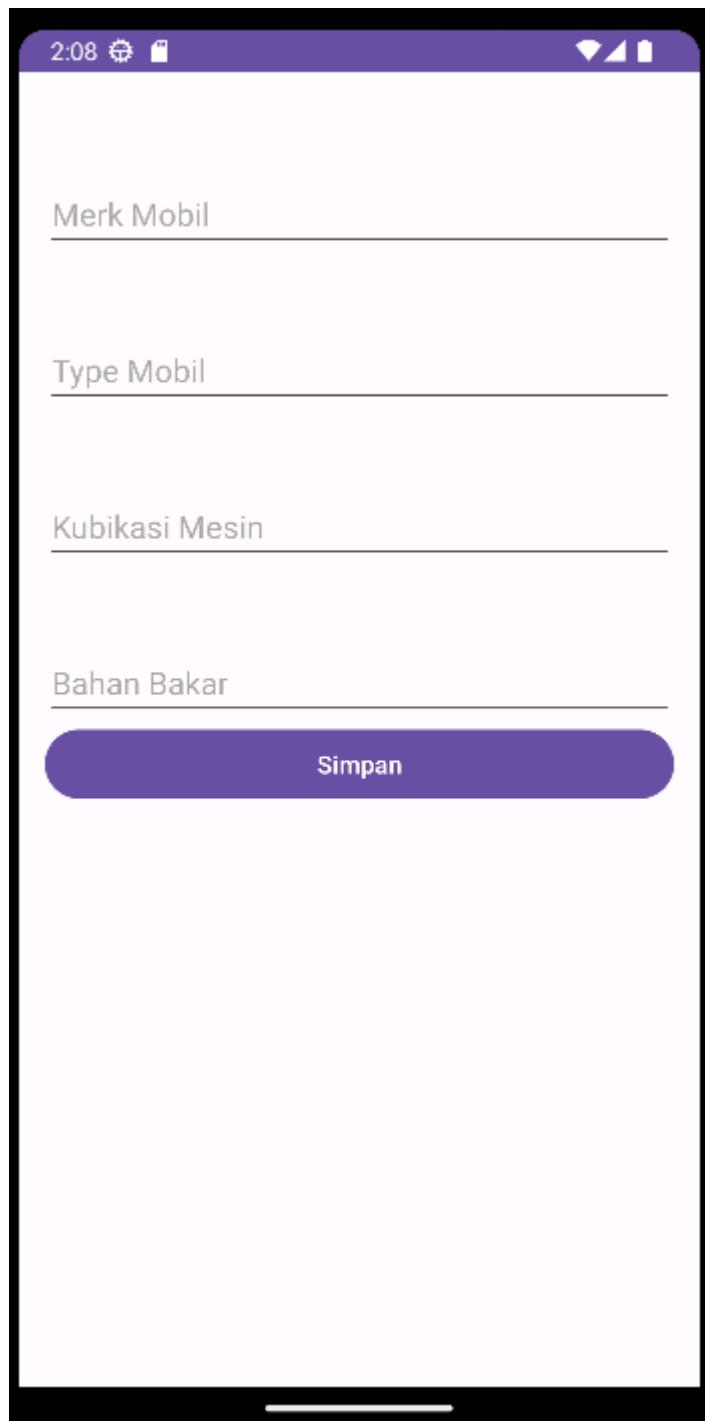
# User Interface (UI)

## 1. Homescreen



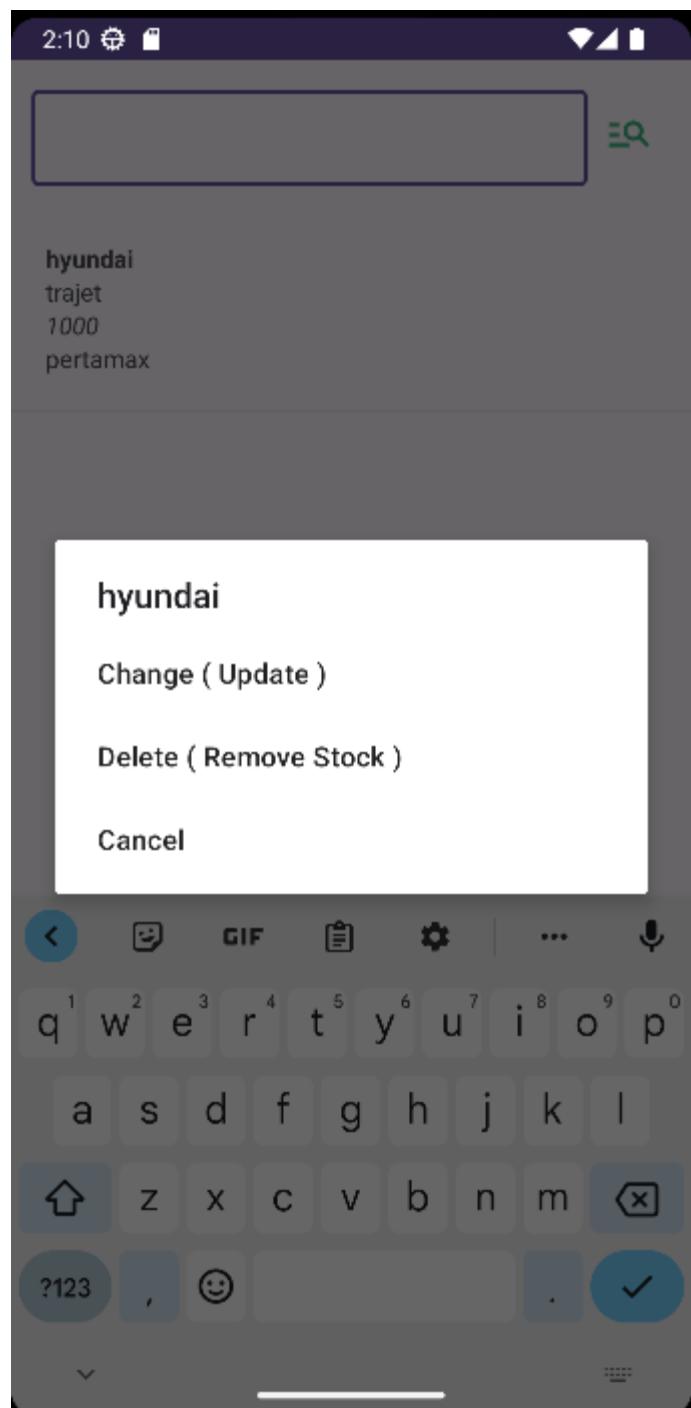
# User Interface (UI)

2. Add data

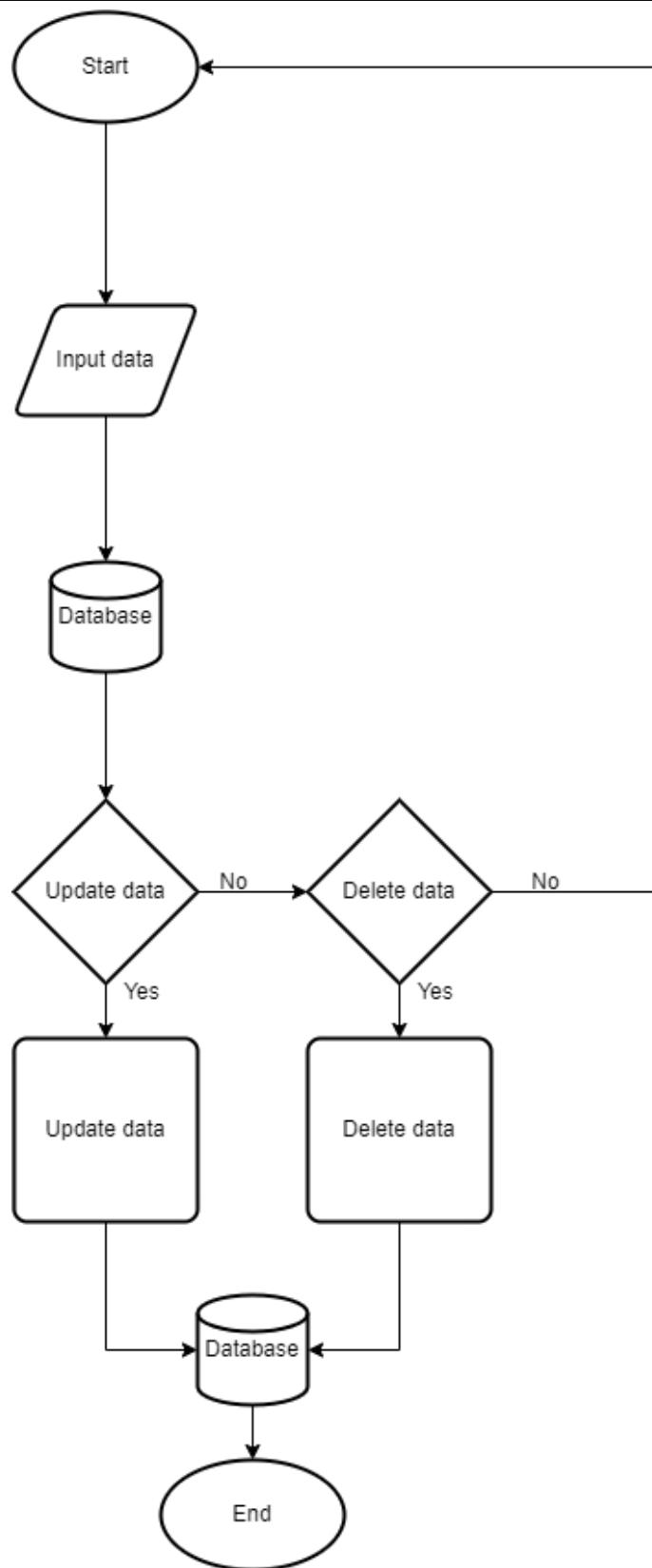


# User Interface (UI)

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