



CCIT FTUI
FAKULTAS TEKNIK

Employee Data App Kotlin with Firebase

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Class:

4ISA3

CEP CCIT

FAKULTAS TEKNIK UNIVERSITAS INDONESIA

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Employee Data App with Firebase

Developed by

Batch Code : 4ISA3

Start Date : May 14, 2023

End Date : May 18, 2023, 2023

Name of Faculty : Mhd. Idham Khalif

Names of Developer :

- David Julian Ernestine
- Fajar Arifianto Mustika

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CERTIFICATE

This is to certify that this report titled “Employee Data App with Firebase” embodies the original work done by David Julian Ernestine, Fajar Arifianto Mustika. Project in partial fulfillment of their course requirement at NIIT.

Coordinator:

Mhd. Idham Khalif

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ACKNOWLEDGEMENT

We would like to express our special thanks of gratitude to our faculty, Mr. Mhd. Idham Khalif our faculty who gave us golden opportunity to do this wonderful project on the topic “Employee Data App with Firebase” which also helped us in doing a lot of research and we came to know about so many things

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 such supervision and assistance and we would not forget to thank to them.

We were thankful and fortune enough to get constant encouragement, support and guidance from all teaching staff of ccit which helped us in successfully completing our project work.

May 18, 2023, 2023

Author

System Analysis

System Summary :

Programming can be done with a variety of programming languages. One of them is the kotlin programming language which can be written through the android studio application. In android studio we can create various kinds of applications that we want.

In this project, we created a Employee Data Application using an android studio application with the Kotlin programming language, where the incoming data is stored through the firebase database. Android studio must connect with synced firebase. Employee Data Application can input the name of employee, the number of employee, and the salary of employee.

Then the data can be entered in the insert and will be stored in the firebase that we have created. And then, we create the CRUD function where the user can edit, and delete the data in the application.

FLOWCHART

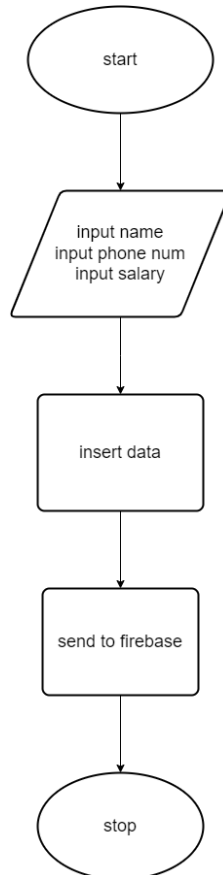


Figure 1 insert data

FLOWCHART

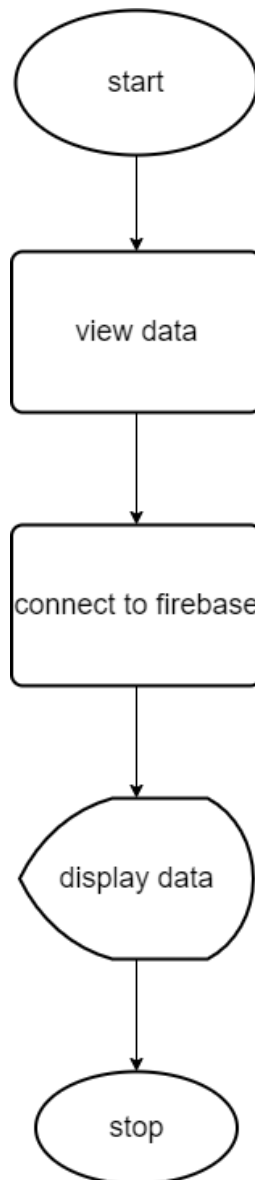


Figure 2 view data

FLOWCHART

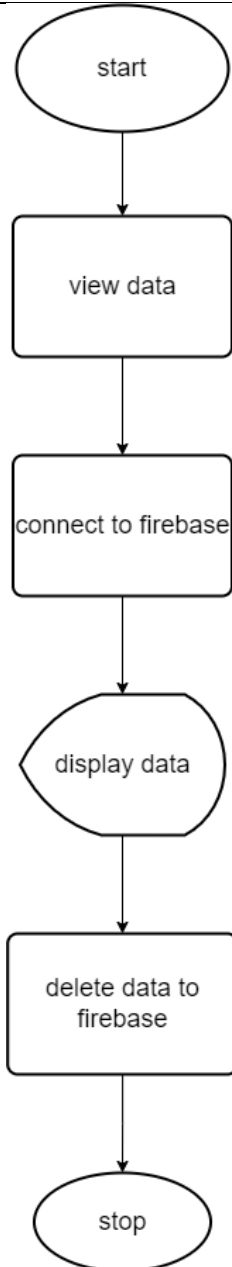


Figure 3 delete data

FLOWCHART

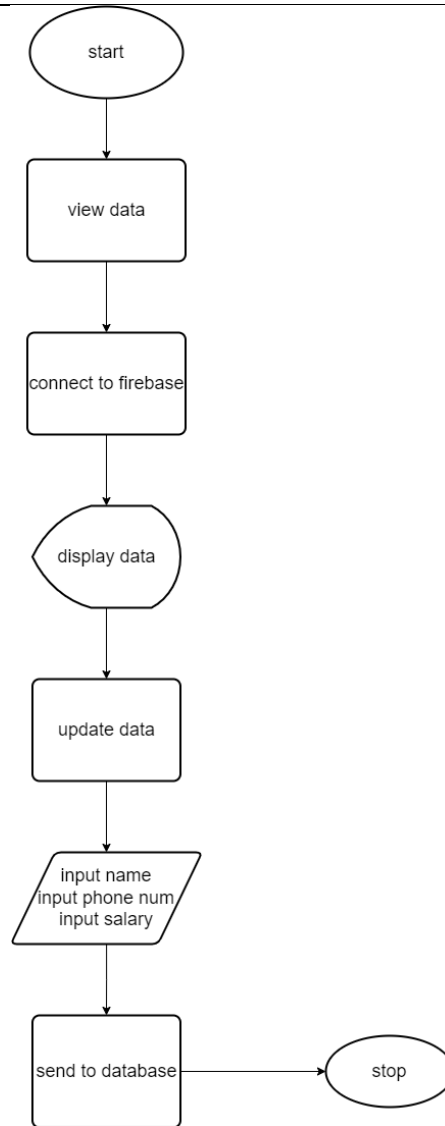


Figure 4 update data

INTERFACE



EMPLOYEE DATA INSERT

Name

Email

Salary

SUBMIT

VIEW



This is the initial view of the application



EMPLOYEE DATA INSERT

David Julian E.K

davidjulianeka@gmail.com

2000000

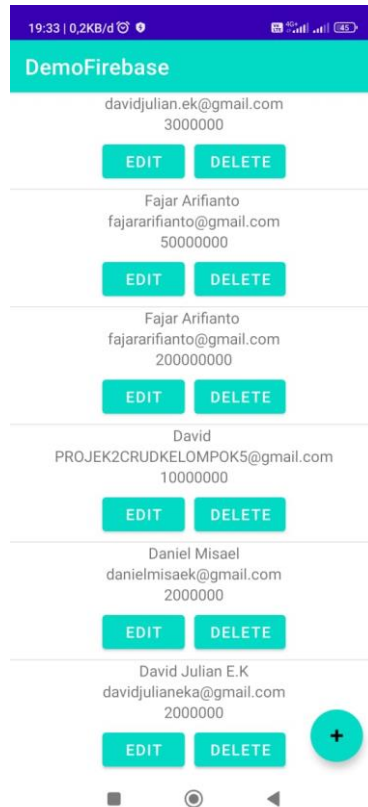
SUBMIT

VIEW



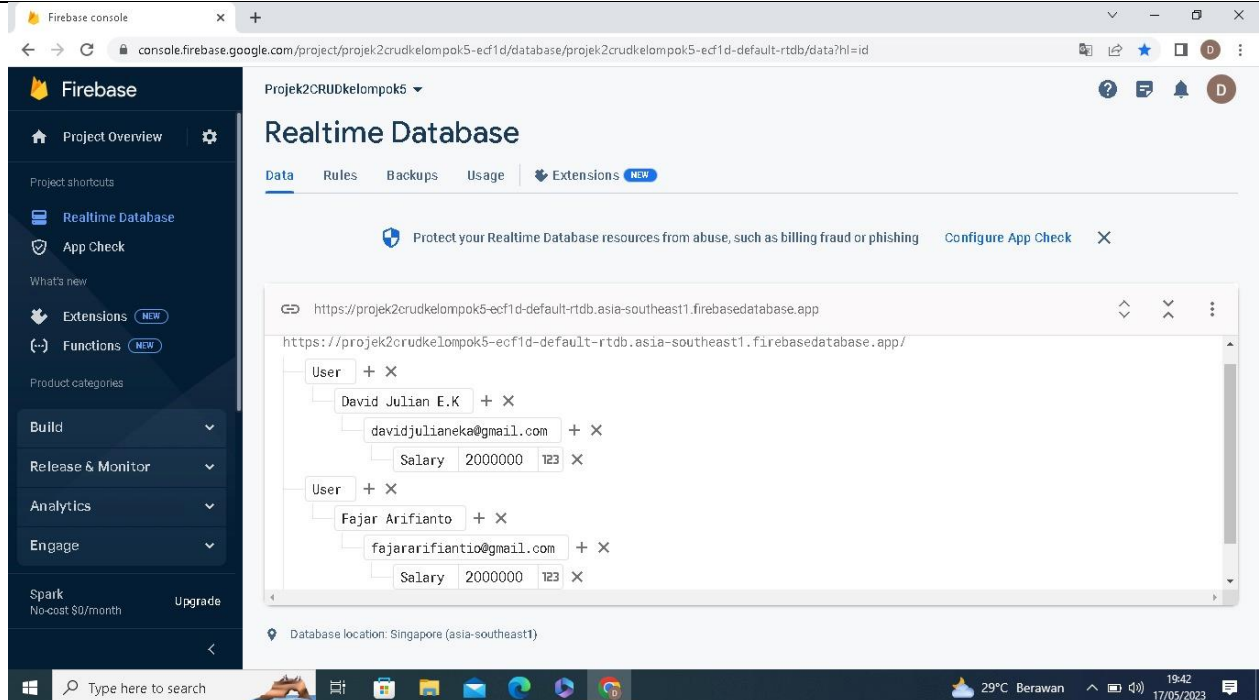
INTERFACE

And then, user input name employee, phone number employee, salary employee, and click the submit button.



This is the display of data when the user click the view button. The user can edit or delete data. If the user click edit button, user should input again name, phone number and salary to edit data and data send to database. If the user click delete button, the data will deleted from database and application.

INTERFACE



This is a view of the database we are using. In this project we use Firebase database

CONFIGURATION

Hardware:

- Lenovo Ideapad 320
- Asus Vivobook 14

Operating System:

- Windows 10 Pro

Software:

- Microsoft Word 2021
- Android Studio Flamingo 2022.2.1
- Draw.io

PROJECT FILE DETAILS

S. No	File Name	Remarks
1	Project2_Employee_Data_Group5_4isa3.docx	Microsoft Word that contains Report
2	Project1_Employee_Data_Group5_4isa3.pptx	Microsoft Power Point that contains Presentation
3	Employee Data	Android Studio project that contains code and designs

