

# **NOVAPLAN**

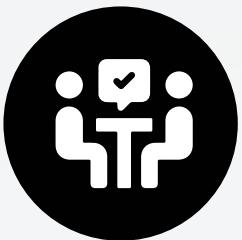
## **PROJECT MONITORING & TRACKING APP**

**Project 2 CSM3114**

**PREPARED BY: NUR SITI DAHLIA BT AB GHANI (S62584)**

**PREPARED FOR: DR. MOHAMAD NOR BIN HASSAN**

# INTRODUCTION



## PROBLEM:

Errors and delays are frequently caused by inefficiencies in traditional project management techniques.



## SOLUTION:

Develop a transformative tool in mobile apps with the use of real-time update for better project management.



## GOAL:

Aims to improve organizational efficiency and adaptability in project management.



# USE CASE

3 primary use cases:

- **Register project**

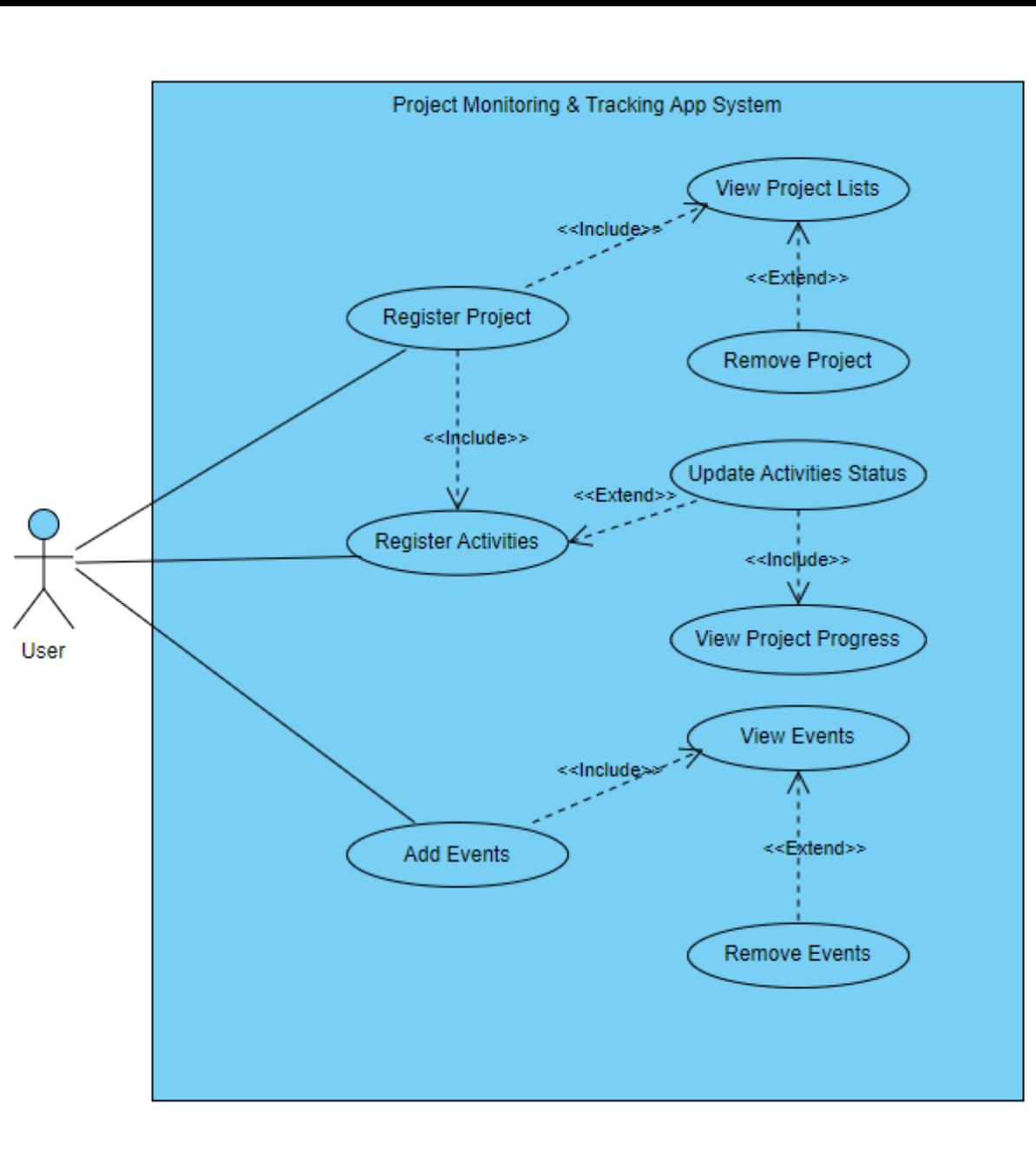
1. include View Project Lists -> extends Remove Project
2. include Register Activities

- **Register activities**

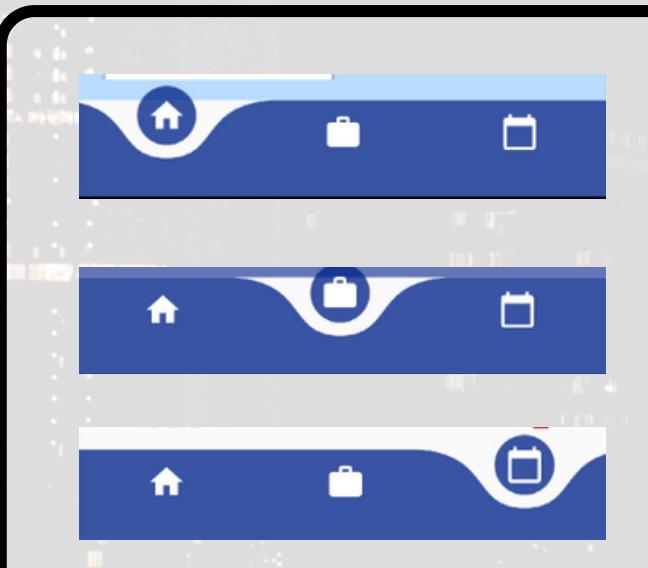
1. extend Update Activities Status -> include View Project Progress

- **Add events**

1. include View Events -> extend Remove Events

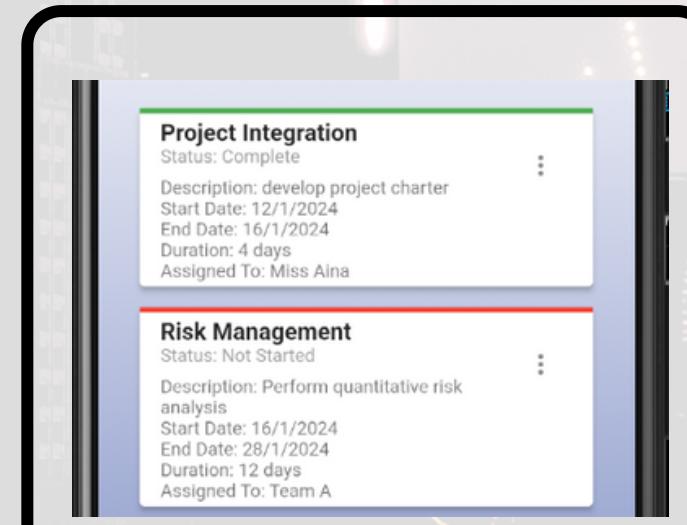


# FLUTTER WIDGET AND FEATURES ADOPTED IN APPLICATION



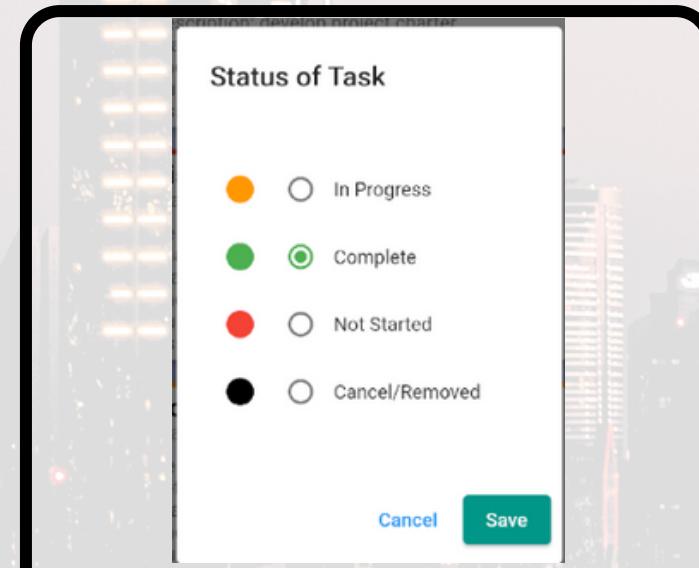
## CurvedNavigationBar

- Serves as the base for the curved navigation bar.
- Accepts an array of items, representing individual tabs or buttons.
- Use dependencies.



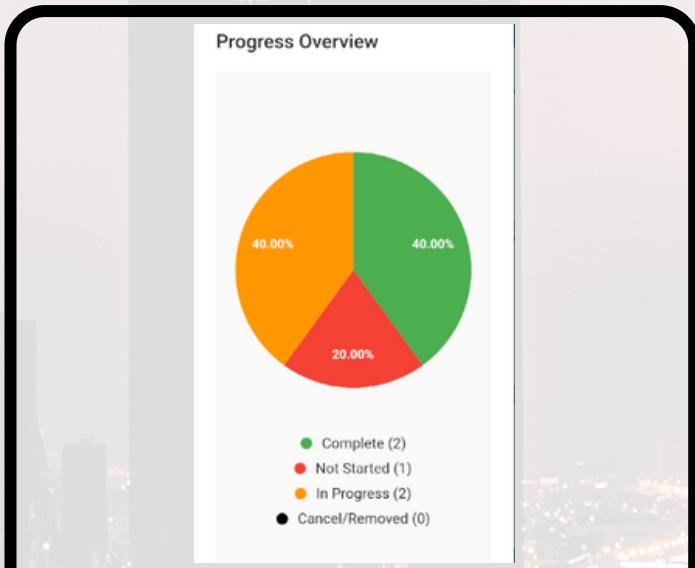
## LinearProgressIndicator

- Used within a card, visually represent the progress or status of an activity
- Value property is set based on the condition of `activity.status == 'Complete' ? 1.0 : 1.0.`



## Radio

- Simulates a radio button as a choices from a list of options that are mutually exclusive.
- Row of components presenting a radio button option.
- This radio is to update status for activities



## CustomPaint

- To create a custom graphic by providing the canvas.
- Used to implement the StatusChart and Calendar.
- The layout for this frame has already done

# CONCLUSION

**With its user-friendly project creation, well-organized lists, and effortless navigation, the main features in this application simplifies the management of projects. Real-time data synchronization via the Firebase Realtime Database is also provided. With its dynamic updating mechanism, color-coded status system, and task adding method, the apps is an excellent task management tool all at once.**



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