# A SLEEP TRACKING APP FOR BETTER NIGHT'S REST

#### 1.INTRODUCTION

\* The vast growth of advancements in Technology has pushed more and more people to incorporate them into their daily life. An industry that has faced a significant disruption due to this is the health and wellness industry. As smartphones are now much more than a phone and wearable technologies reinforce their use, healthcare-related mobile apps are becoming rapidly popular.

\*Healthcare companies and wellness organizations one by one, adapt to this change and try to provide a variety of health-related services to the users of smartphones, tablets, or PCs.

\*Irregular sleeping patterns are a common problem. This web app will fulfill the user's needs in tracking their sleeping patterns, including duration and timings. You will create a web app to track three parameters: sleep time, wake up time, and sleep duration. Users can add, edit, or remove any sleep entries.

## 2.PROBLEM DEFINITION & DESIGN THINKING

#### 2.1 EMPATHY MAP:



#### 2.2 IDEATION & BRAINSTORMING MAPS:



#### **Brainstorm**

Write down any ideas that come to mind that address your problem statement.

10 minutes

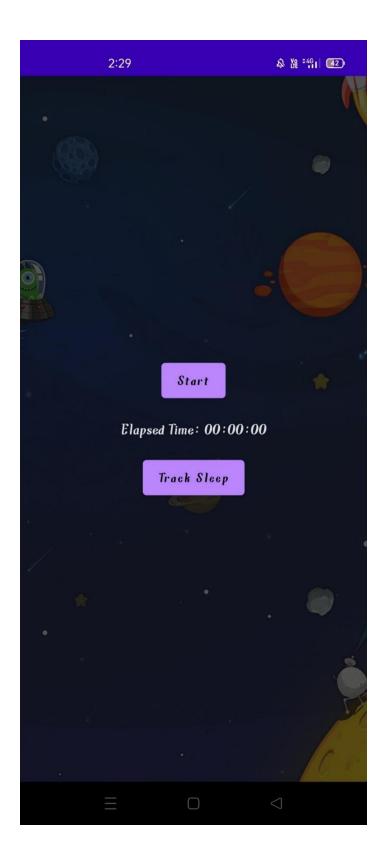
You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

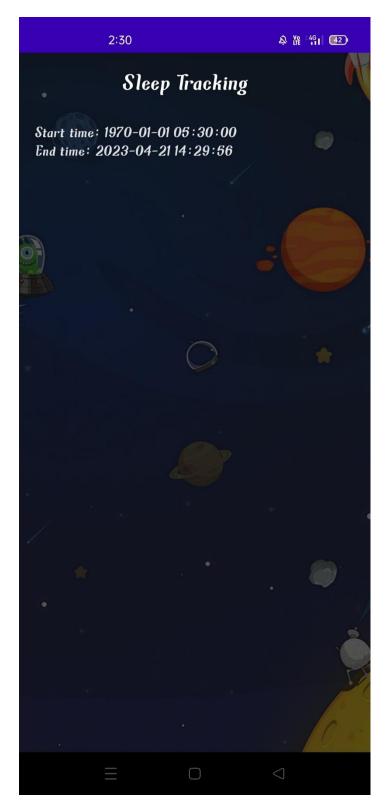


## 3.RESULT:









#### **4.ADVANTAGES AND DISADVANTAGE:**

#### Advantages:

- 1. Helps You Better Understand Your Sleep Patterns
- 2. Tracks Your Different Sleep Phases
- Captures Possible Sleep Interruptions and Disruptions
- 4. Gently Wakes You Up at the Ideal Time
- 5. Convenient Compared to Wearing a Sleep Tracker Device

#### Disadvantage:

- 1. Hinders Sleep More Than It Helps
- 2. Promotes Nighttime Screen Use Before Bed
- 3.Incorrect or Unreliable Sleep Tracking Data
- 4. Creates an Unhealthy Sleep Obsession

## 5.Applications:

The area where the sleep tracker is used in health and medical field.

#### 6.Conclusion

Apps available for sleep self-management and tracking may be valuable tools for selfmanagement of sleep disorder or improving sleep quality, yet they require improvement in terms of quality and content, highlighting the need for further validity studies.

## 7. Future Scope:

- 1.ARTIFICIAL INTELLIGENCE-BASED SLEEP MODELLING
- 2.SLEEP DATA ACQUISITION
- 3.SLEEP DATA STORAGE AND CURATION
- 4.DATA PRE-PROCESSING 5.DATA VISUALISATION AND VISUAL ANALYTICS

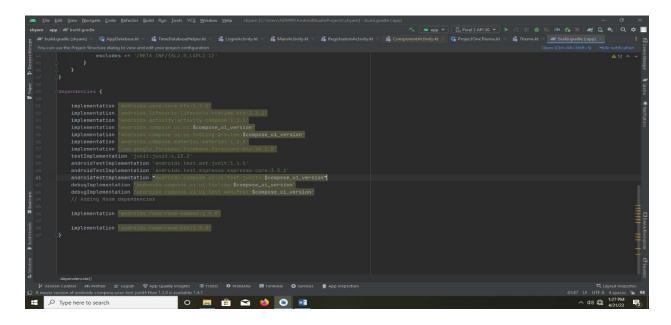
## 8.APPENDIX

#### \*BUILD.GRADLE

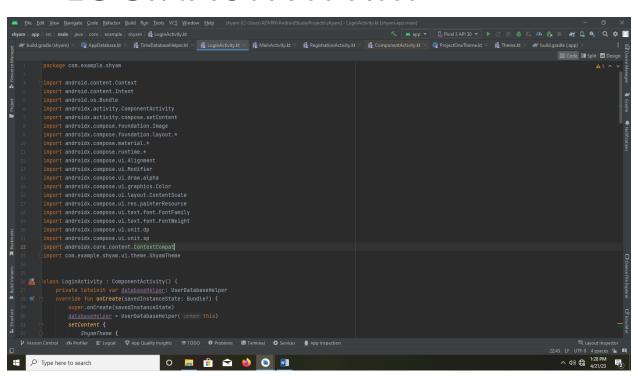
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LoginActivity.kt
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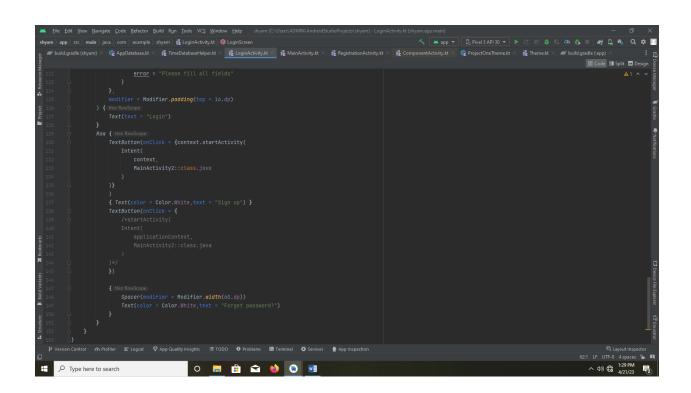


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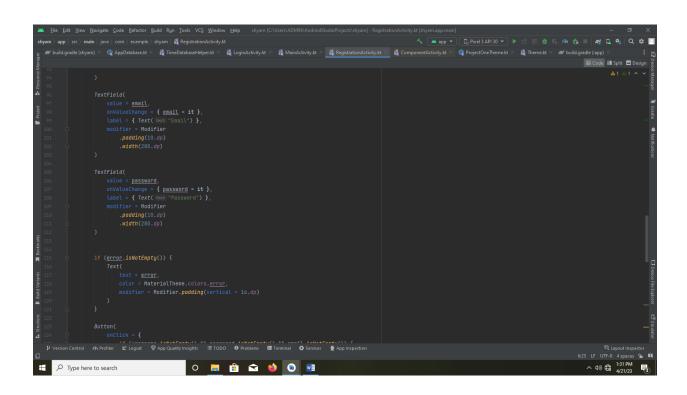
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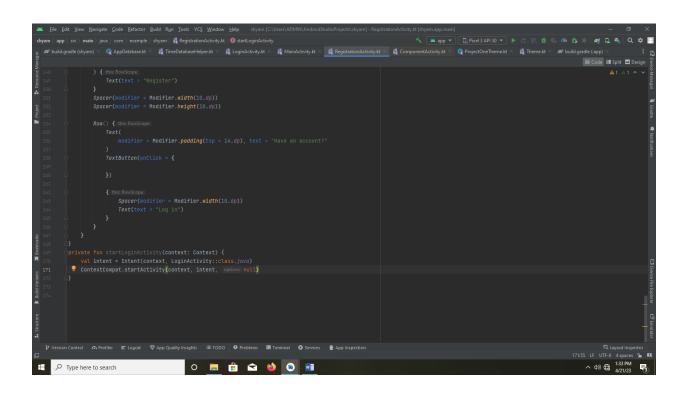
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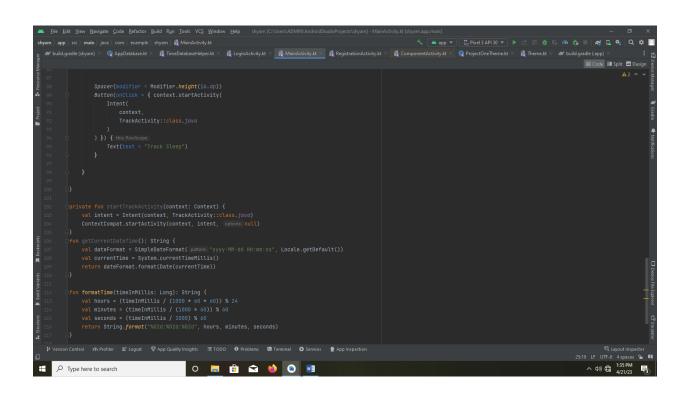


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