# To: ( professor) Mohamed ElRamly

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# Subject: progress report on an application that arranges your sleep cycle.

## So many people use alarms to wake up on time, however, most people are not aware of the importance of waking up according to your *sleep cycle;* you see, waking up easy is all about timing.

## *Sleep Cycle alarm* clock tracks your sleep patterns and wakes you up during light sleep. Waking up during light sleep feels like waking up naturally rested without an alarm clock.

This Report contains 3 tasks : the first task is to provide the necessary data, the second is to make a design for the app and the third is to build the app and apload it to Google store.

## Audience

Students, workers, athletes and basically anyone who needs to wake up early as easily as possible.

## Purpose

## The purpose of this report is to know what is the app for, what it consists of and how to use it.

## Outline

1. What is this app for?
2. How we will build this app.
   1. How to capture the user's movement for needed database?
   2. Making the design and logo for it
3. How we will upload the app on google play?

**Bibliography** Here are the information sources we have been working with:

1. https://www.sleepcycle.com
2. <https://stackoverflow.com>
3. <https://devskiller.com>

## List of figures

1- Flowchart that illustrates the build of the app.

2. Graphs to illustrate how the app works.

# Progress report

**Task1.** Provide the necessary data.

Task1 is worked currently. In task we search for the necessary algorithms of sleep cycle, we also use the device's sensors to provide the needed inputs for these algorithms.

**Task2.** make a design for the app.

Task 2 is worked currently. In task 2 we use Photoshop and illustrator apps to design a logo for the app and a smart look to users.

**Task3.** build the app and upload it in google play.

Task 3 will be done after the end of task 2. We will build the programmer by using the database and the designs and make an account on google play to upload the app to users.

# Conclusion/Overall appraisal

The project looks perfect and we will deliver it after one month, 4 may. you will understand the plan by reading this progress report.

## In this progress report we illustrate what is the app for, what it consists of and how to use it.

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