

# Activity Journal—Keep Track of Yourself

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## Problem Description:

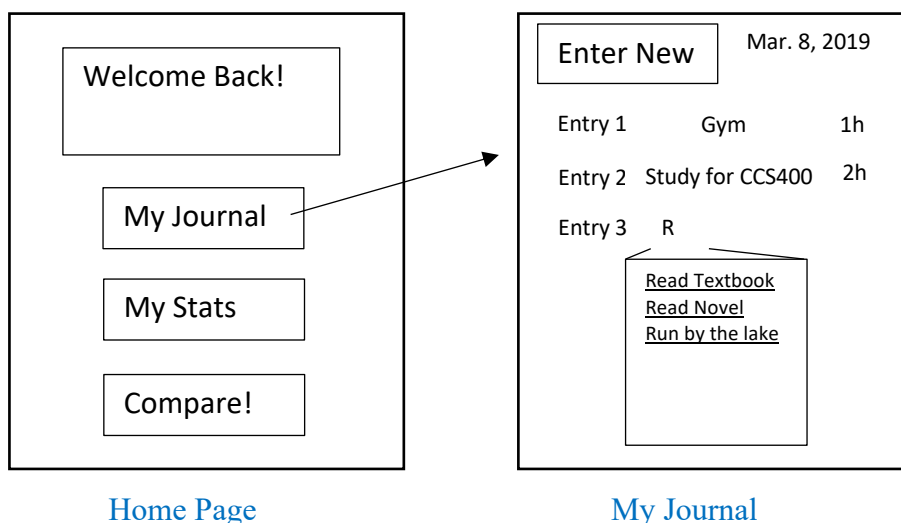
Many of us live our lives without keeping track of how much time we spend on each activity every day. This can hinder our ability to improve efficiency, since we could be spending a large amount of time doing something meaningless and being unaware. On the other hand, we could also be doing something meaningful for a couple of days but forgetting about it afterwards—not having a record on things we do makes it harder for us to develop new hobbies. Therefore, it is fair to say that having a journal on our daily activities can lead to a more organized and richer life style.

## Primary Stakeholder:

The primary users of this program can be anyone in our society, especially the age group 10~50 who are active users of modern technologies.

This program presents a journal for every user to fill in daily. Users are prompted to enter the activities they have done during the day and the amount of time they spent on each. Then, before the end of each day, the program would summarize a user's activities, and percentage time of each activities in 24 hours, etc. to provide insights for the user on how he/she has spent the day. Another function of this program is to cross-compare activities and time on different dates. For example, if I tab the option “gym” (which is something that I had entered before), I could get Monday, Mar. 11, 1h; Tuesday, Mar. 12, 2h, etc. This would not be done simply in words: we can make a bar chart, or line chart to make the comparison easier. In addition, users should be getting a summary of the week on this cross-comparison, but they should be able to extract a comparison whenever they want.

## GUI:



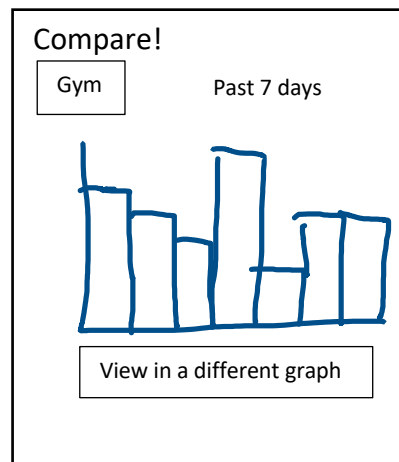
Extra functions:

1. **Swipe left** to view previous journals
2. Activities you entered before (with high frequencies) would appear on new journal automatically with time set to 0.
3. When typing in activities, tags will show up for you to select, in case you want to enter something that you have entered before.

My Stats

Select Time Interval

Activities	Total Time
Gym	5h
Read Novel	6h
Eat	7h



- Extra functions:
1. Tap gym to select or enter another activity.
  2. Click view in a different graph so switch between bar chart and line chart.
  3. Specific number of time will be shown on each graph

### My Stats

Extra functions:

1. Time interval choices:  
All time, 1 yr., 6 months,  
3 months, 1 month, 1  
week

### Data:

*Data needed:* String: “activities” Double: time

*ADT:* graph implemented by hash table

*Sample record:*

