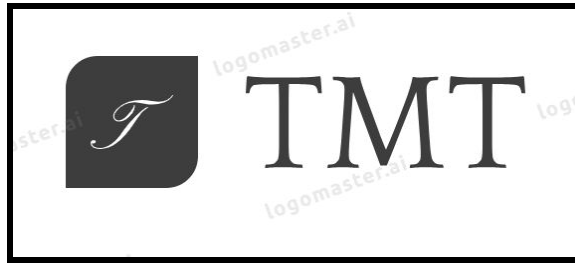


DOCUMENTATION OF TIME MANAGEMENT TOOL (TMT) APP



GUIDE:

PRAVEEN GARIMELLA

REHANA BEGUM

SUBMITTED BY : TASHI PHUNTSHO

NIMA DEMA

SAMAL RAI

SONAM WANGMO

CONTENTS

1. Abstract
2. Background
3. Scope
4. Requirement specification
5. Output
6. Testing

1. Abstract

Time is valuable because the gone time is never going to come back. People often start their day with many todo list however, at the end of the day most list remained undone or sometimes unsatisfied with time spent on each task. With TMT it helps user to log any activity a user did and rate the activity based on their satisfaction. TMT will generate daily summary of activities as a pie chart based on time spent. It will also generate summary of daily activities with its rating as bar graph. Weekly summary is generated as pie chart based on activity category and total time spent. User can share their week summary with their counsellor which helps them improve time management on each activities.

2. Background:

In this modern world, it's difficult to keep track of what we did within the particular time period. In fact, its difficult to manage time of what we did during the day, yesterday and for the whole week. If we know our time allocation for a particular activities based on categories such as sleeping, studying, exercises, eating and others, then it will be beneficial for the individual to decide on what we need to focus on or what not. Moreover, to keep track of activities manually is very tedious task for the individual and sometimes the activities records are lost. Therefore, to allow the individual/users to effectively log their activities on the daily basis and easily visualise their time spent based on bar and pie-chart, our Time Management Tool (TMT) app is considered. TMT is an android app (application) that allows the user to log their activities, view the activities daily or weekly and share their weekly activities to time manager, who is responsible to give feedback if required.

3. Scope:

The Scope of the project are:

- ❖ To produce Android Package Kit (apk) file
- ❖ Time estimates: 480 hours

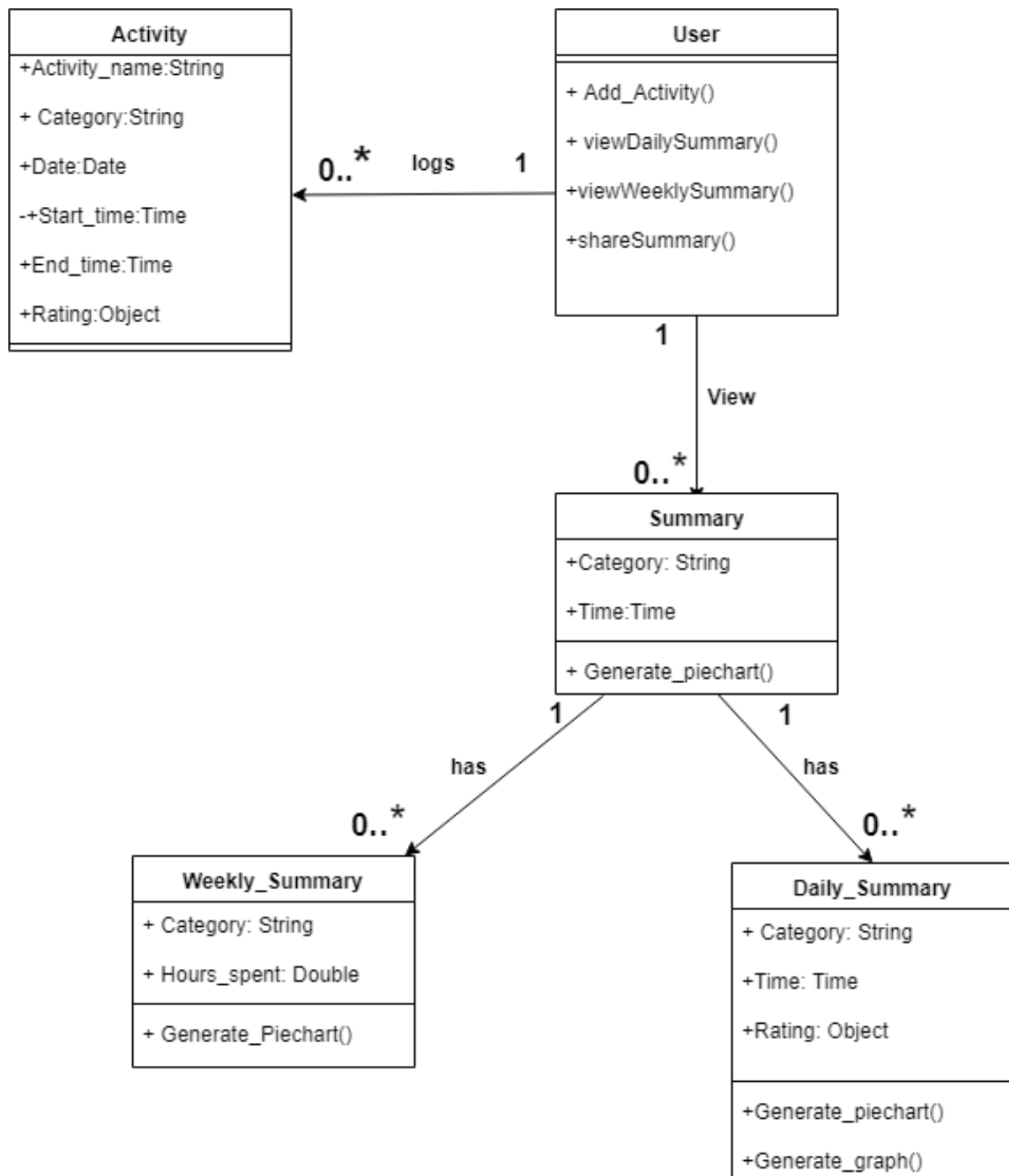
4. Requirement Specification

❖ Users stories

Sl.No	User Story	Acceptance Criteria
1	As the TMT app user, I want to log my activity which include activity name, category, start time, end time and ratings.	Ensure TMT app user is able to: <ul style="list-style-type: none">❖ Navigate to log Activity page❖ Able to log my activity details with all the fields.
2	As the TMT app user, I want to view the summary of my daily activities in the form of bar graph[x-axis: Time, y-axis: ratings, color: category] for each category of activities and also in the form of Pie chart showing time spend for each category activities.	Ensure TMT app user is able to: <ul style="list-style-type: none">❖ Navigate to daily Summary page.❖ Able to view the Pie Chart and bar graph of daily categories of activities.
3	As the TMT app user, I want to view the summary of my weekly activities in the form of Pie chart showing time spend for each category activities.	Ensure TMT app user is able to: <ul style="list-style-type: none">❖ Navigate to weekly Summary page.❖ Able to view the Pie chart which shows the weekly categories of activities with its time spent.
4	As the TMT app user, I want to share summary of my weekly activities in the image format (.PNG) to let the time counselor give feedback.	Ensure TMT app user is able to: <ul style="list-style-type: none">❖ See the share icon❖ Click the share icon and send

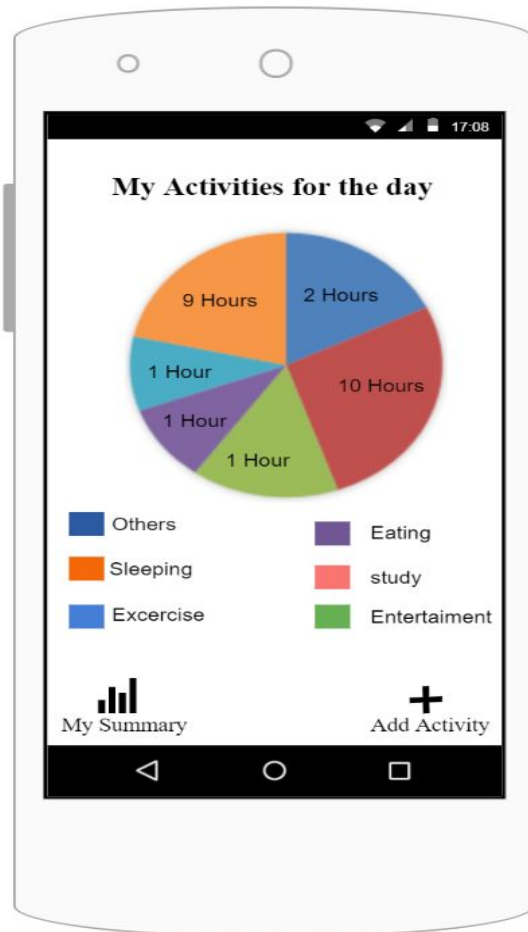
◆ UML diagram

Class Diagram



❖ User Interface

01. Home Page



02. Add Activity Page

The add activity page includes a back arrow, a title "Add Activity", and input fields for "Activity Name" and "Category". It also features "Start Time" and "End Time" pickers, a "Rate your Activity" section with three emoji options (Sad, Okay, Happy), and a green "Add" button at the bottom.

Activity Name:

Category:

Start Time: 10:20

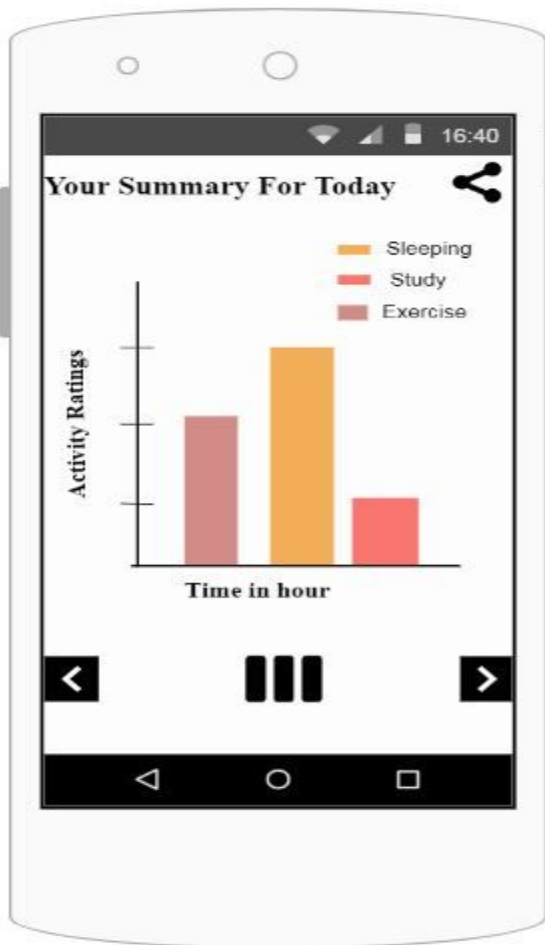
End Time: 11:12

Rate your Activity

Sad Okay Happy

Add

03. Daily Summary Activities



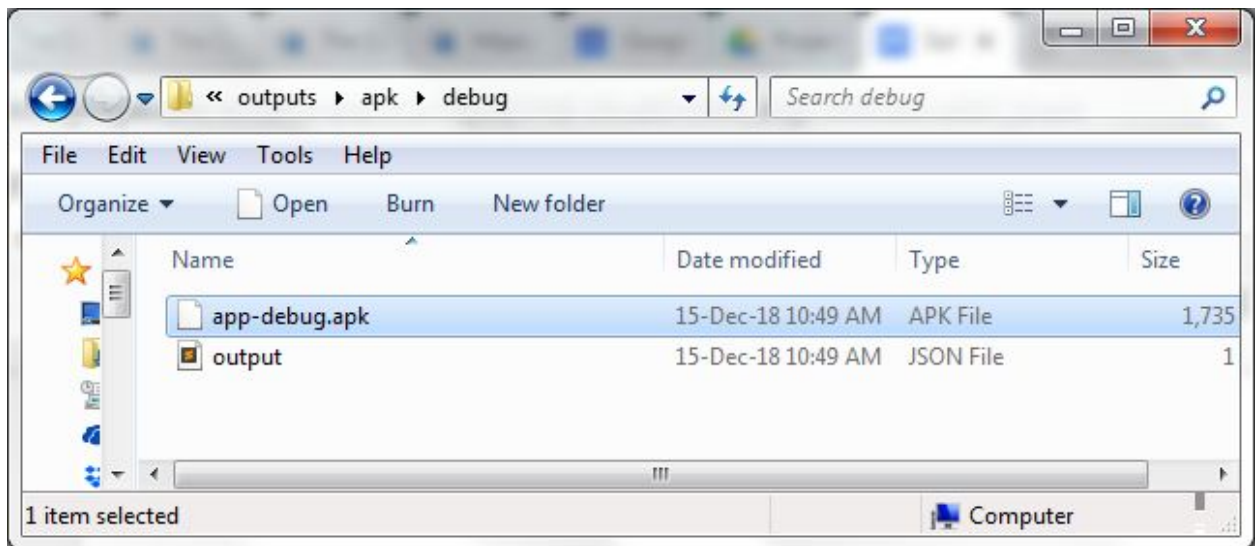
04. Weekly Summary Activities



5. Output / User Manual

a. TMT apk

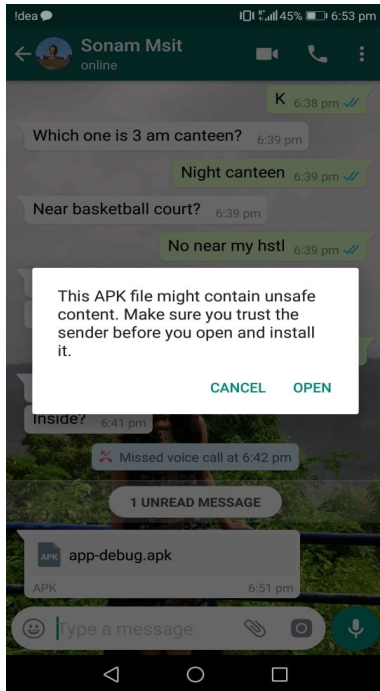
To use the TMT app, user should first get the .apk file



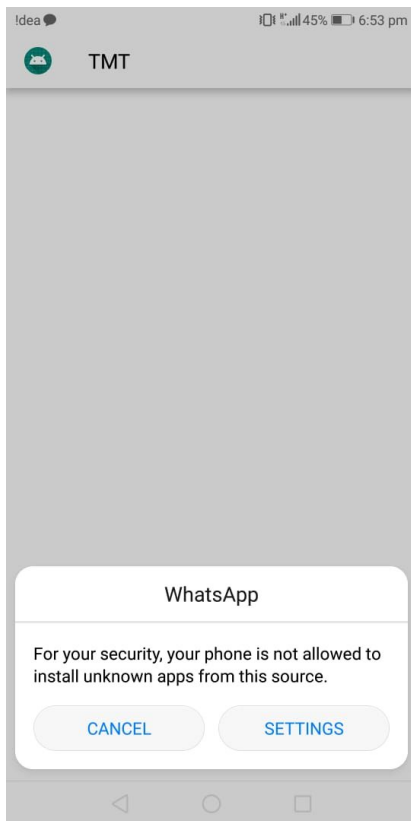
b. Install TMT app

Install the TMT app as shown below in order.

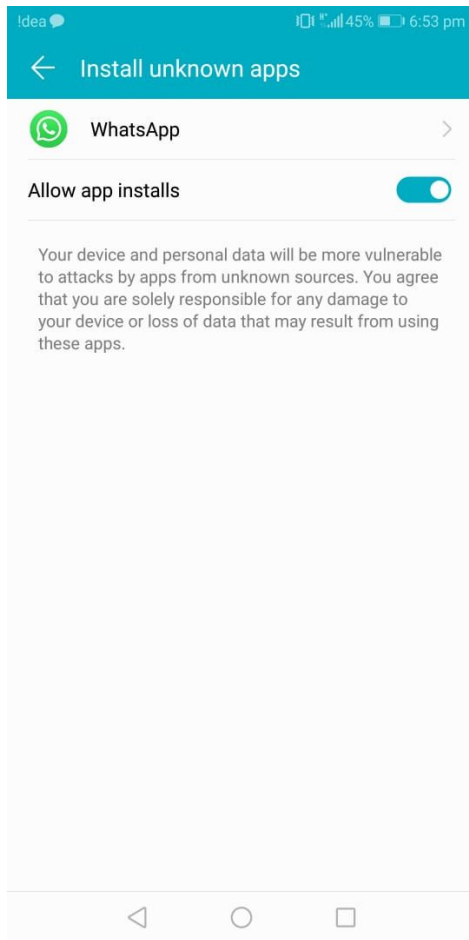
Step1: click open button



Step2: Click Setting



Step3: enable app installs



Step4: Your app is installed and click Open to use the app.



TMT



App installed.

DONE

OPEN

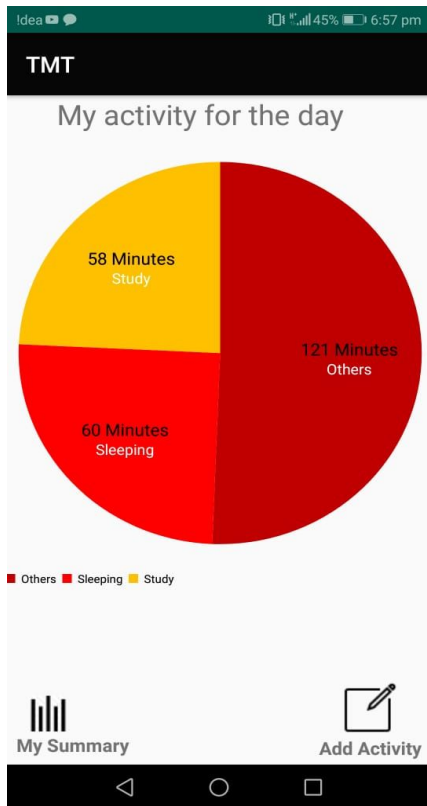


c. Home Screen

Case 1: Initially, when the user open the app, a empty screen of the message “No activity for the Day!” will be displayed because the user didn’t add any activity.



Case 2: If the user has entered it's activity then user will get the activity Pie Chart for the day with different categories corresponding of Minutes spent for each category.



d. Add Activity Screen

Initially the add activity screen is displayed with activity name, category, date, start time, end time and rating fields.

To add new activity user perform following steps:

Step 1: Fill activity name, choose any activity category from drop down list, pick a date, fill start time and end time and give the rating.


Idea 45% 6:54 pm

TMT


Activity Name


Category

Date





Start Time **End Time**






Rate your Activity

 Sad

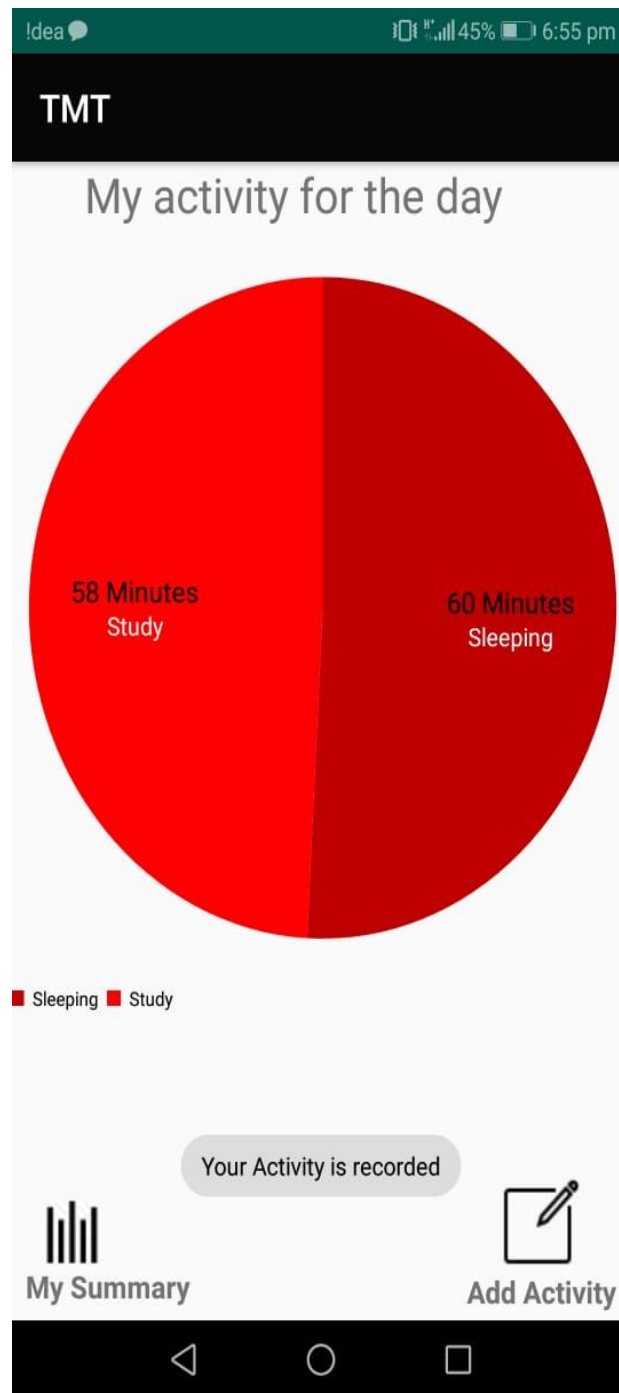
 Okey

 Happy

ADD

*Step 2: After filling all the form, user should click the add button.
On clicking the add button, there will be two cases:*

Case 1: If user fills all forms correctly, user will see a success message.



Case 2: If user leaves any forms empty, user will be prompt with a message.

Idea 45% 6:54 pm

TMT


Activity Name


Category

Date


April
26


Start Time **End Time**






Rate your Activity

 Sad

 Okey

 Happy

Empty Details found. Please Check all the fields

Case 3: If user choose end time earlier than start time, user will be prompt with a message.

Idea 45% 6:55 pm

TMT

Activity Name
night

Category
Sleeping

Date
2018-12-17
26

Start Time 18:55 **End Time** 17:55

Rate your Activity
Sad Okey Happy

ADD

Wrong time setting

e. Summary Activity Screen

To view the summary activity for the day in the form of bar graph, user has to perform the following steps:

Step1: Click the summary icon on the home screen of the app.

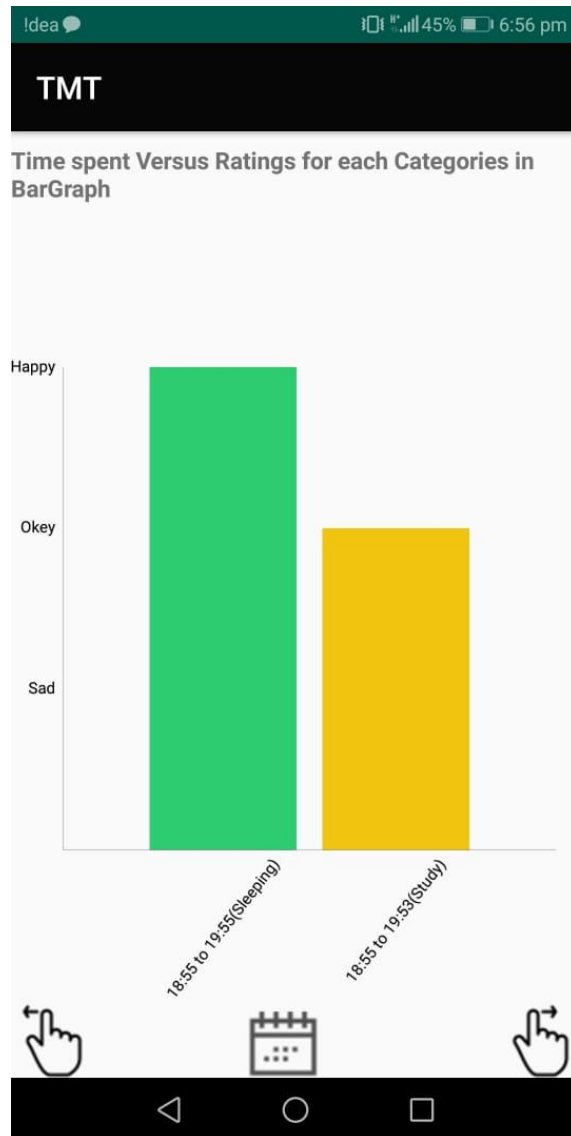


Step2: Here the screen will be of the two cases

Case 1: If the user doesn't have the activities, an empty screen with no bar graph and "No activity for the Day!" message will be displayed.



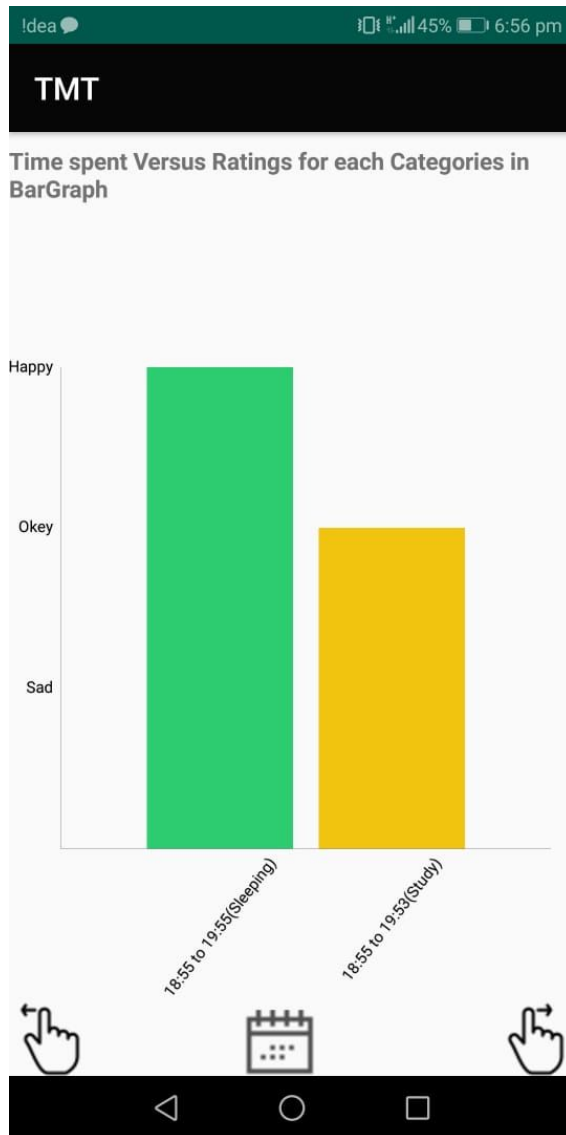
Case 2: if the user has entered at least one or more activities for the day, a bar graph showing rating for each categories with start and end time will be displayed.



f. Previous Activity Screen

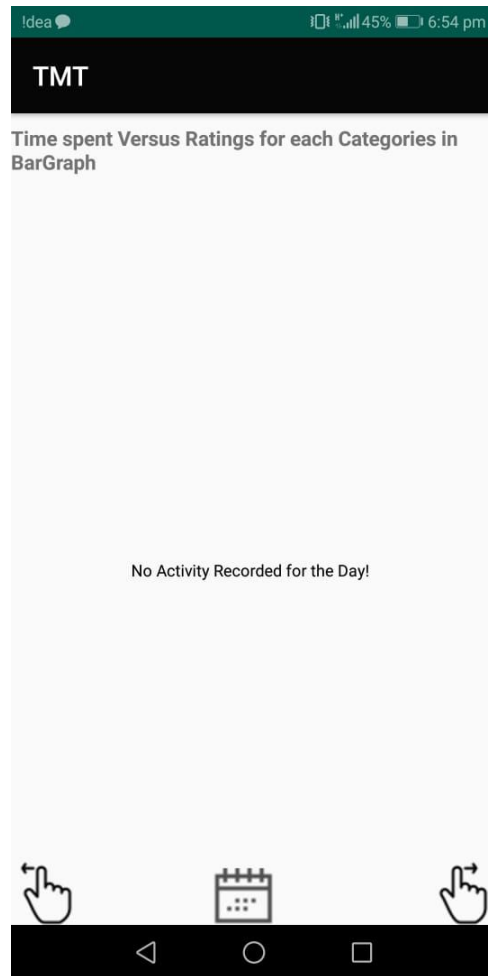
If the user wants to see its previous day activities, the user can perform the following steps:

Step1: click the previous icon from the summary activity screen.

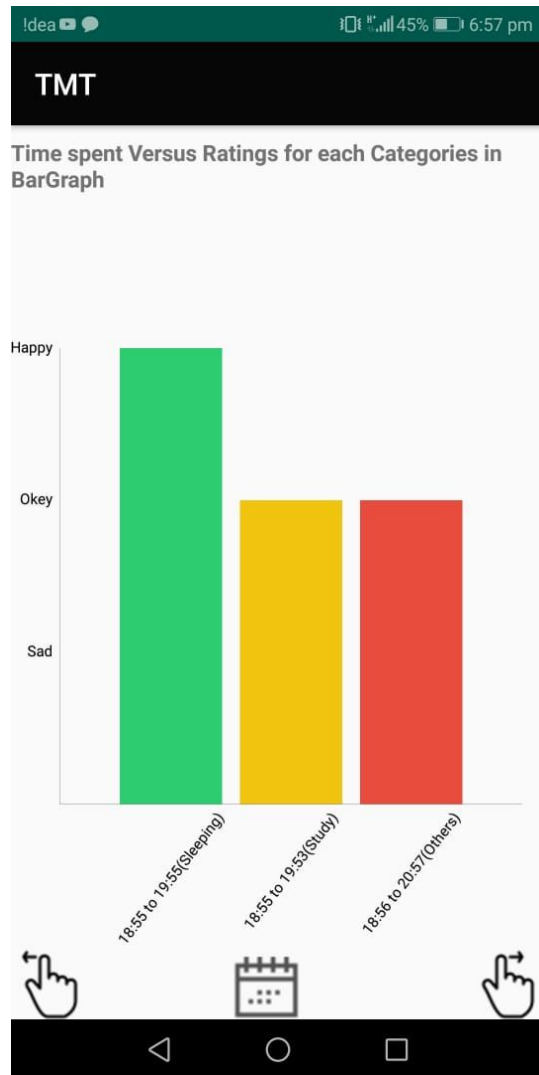


Step2: Here the screen will be of the two cases

Case 1: If the user doesn't have the activities for previous day, an empty screen with no bar graph and "No activity for the Day!" message will be displayed.



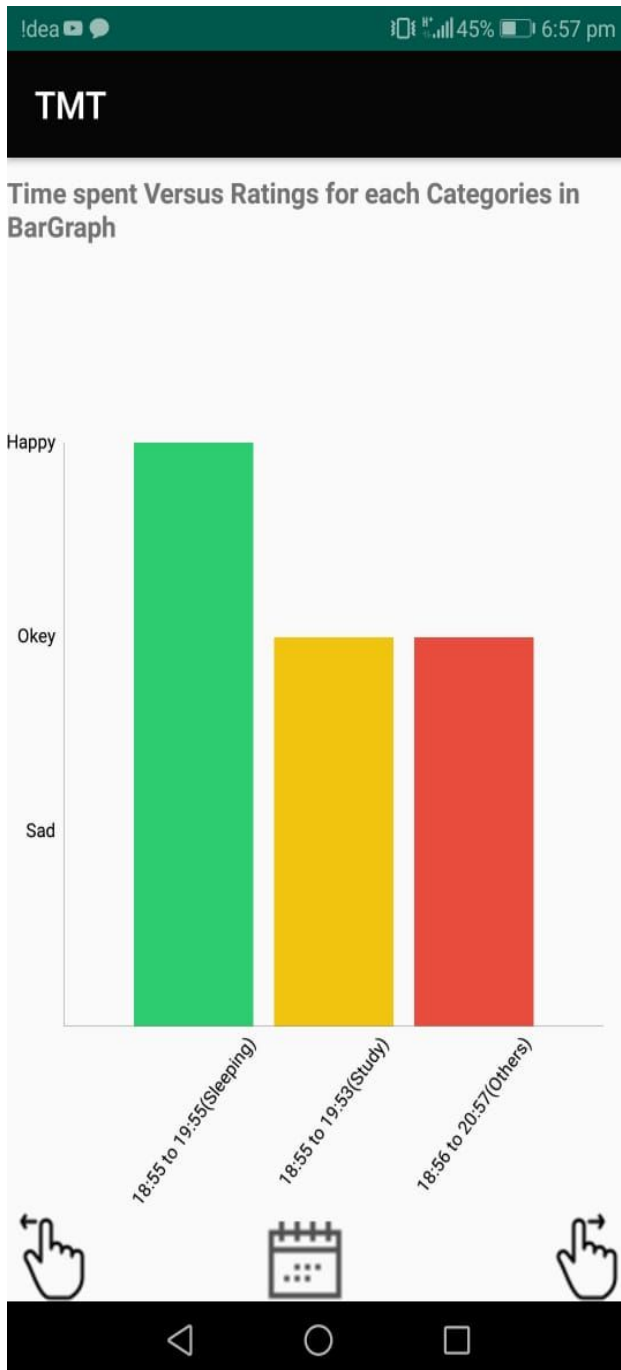
Case 2: if the user has entered at least one or more activities for the previous day, a bar graph showing rating for each categories with start and end time will be displayed.



g. Weekly Activity Screen

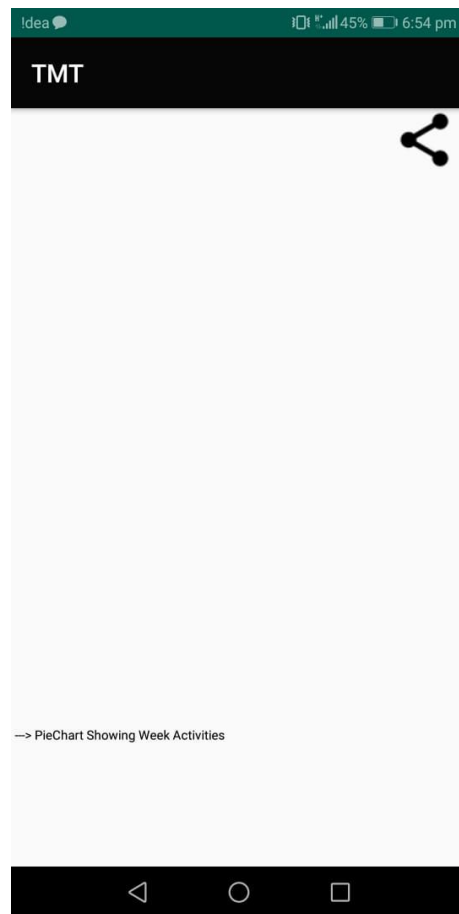
If the user wants to see its weekly activities (Day starting from today till previous seven days), the user can perform the following steps:

Step1: click the week icon from the summary activity screen.

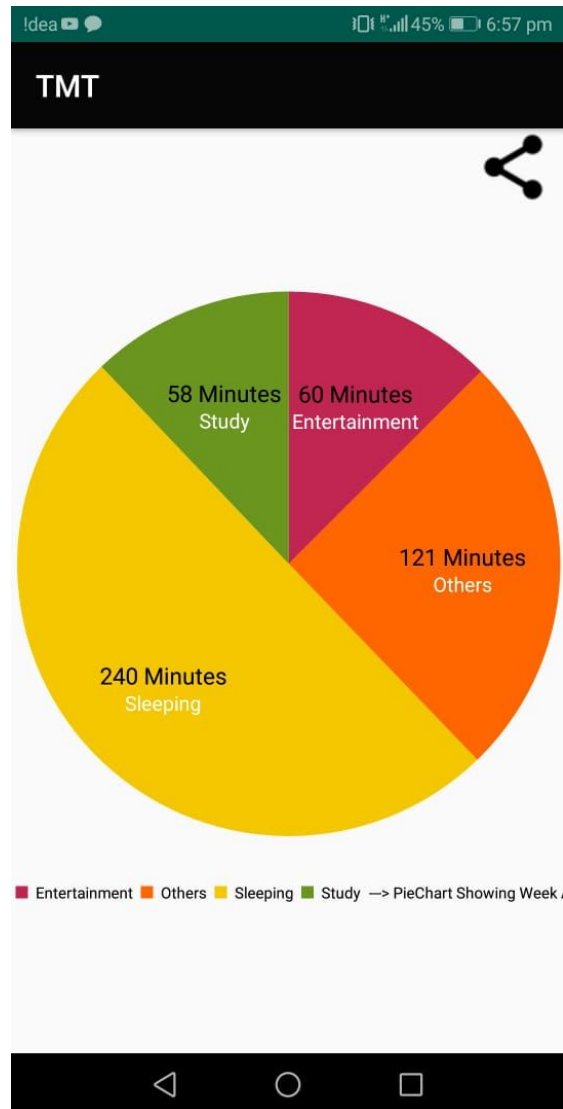


Step2: Here the screen will be of the two cases

Case 1: If the user doesn't have the activities for past 7 days, an empty screen with no Pie Chart and "No activity for the Week!" message will be displayed.



Case 2: if the user has entered at least one or more activities for the previous 7 days, a Pie Chart showing activities for the week with different categories corresponding of Minutes spent for each category will be displayed.



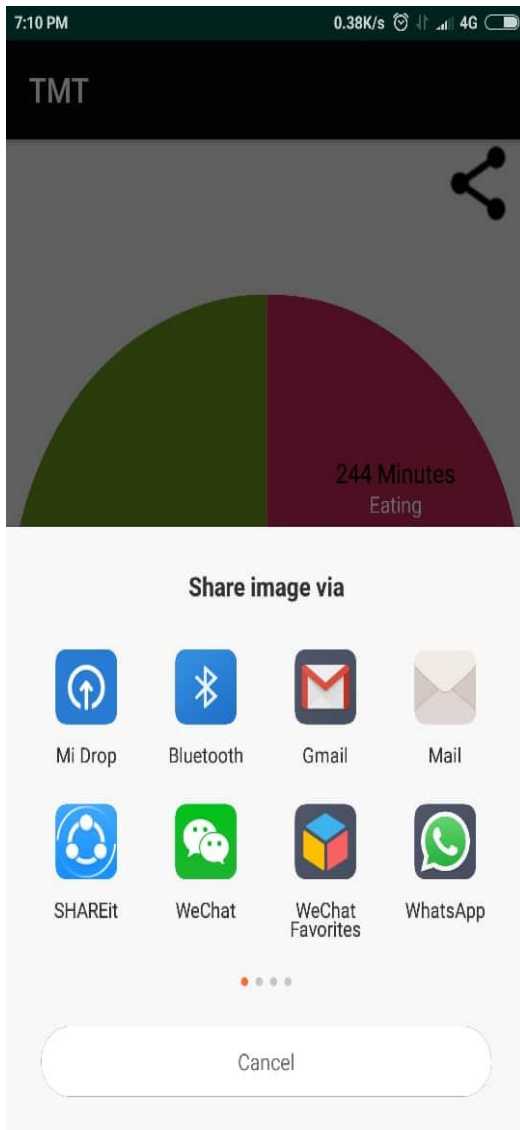
h. Share button

If user wants to share their weekly summary with their counsellor, they should perform the following steps:

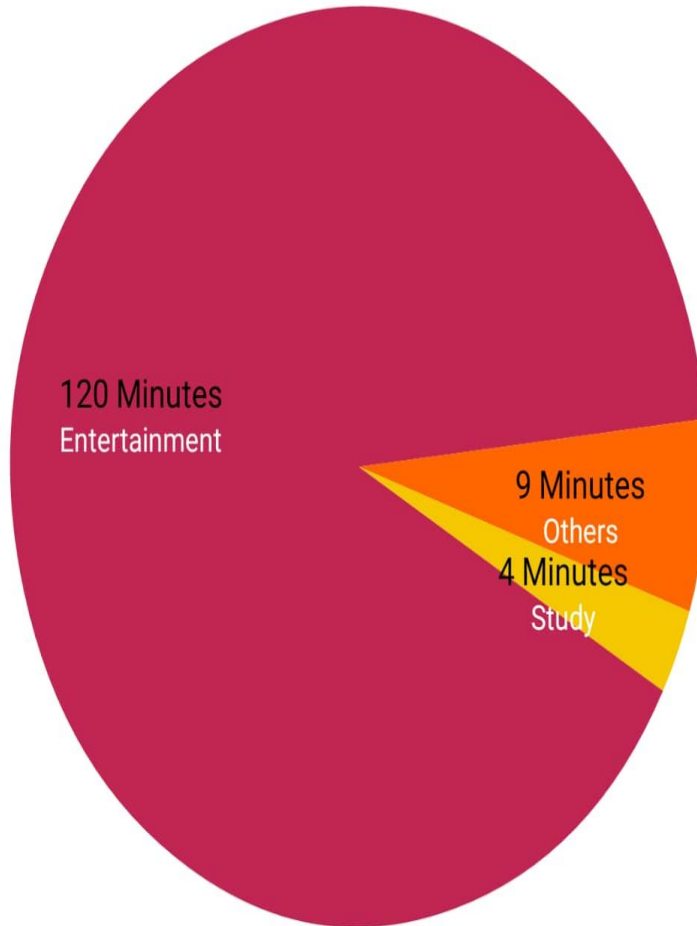
Step 1: Click on share icon on weekly summary screen.



Step 2: User will be given options to choose app via which they wants to share their week summary.



Step3: Given Image in .PNG format will be shared.

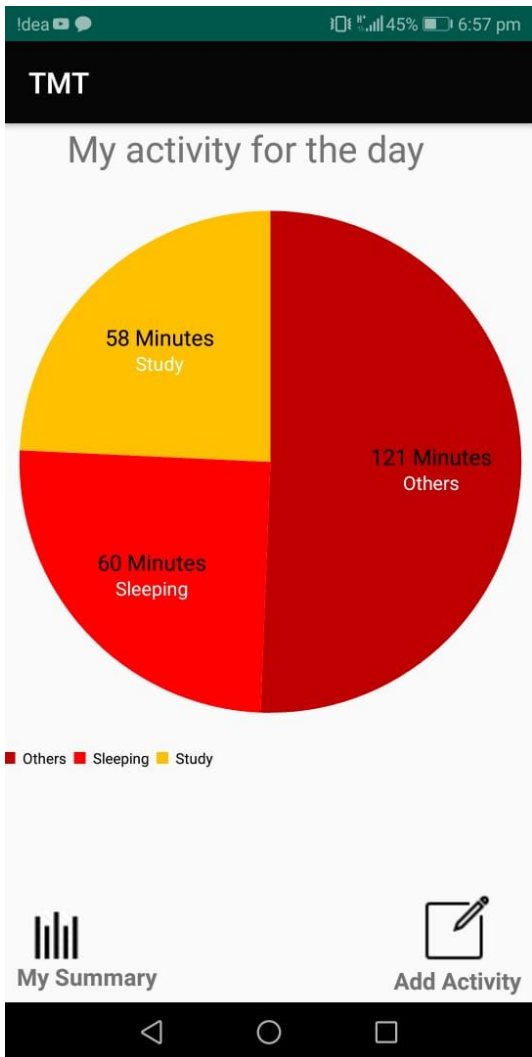


■ Entertainment ■ Others ■ Study --> PieChart Showing Week Activities

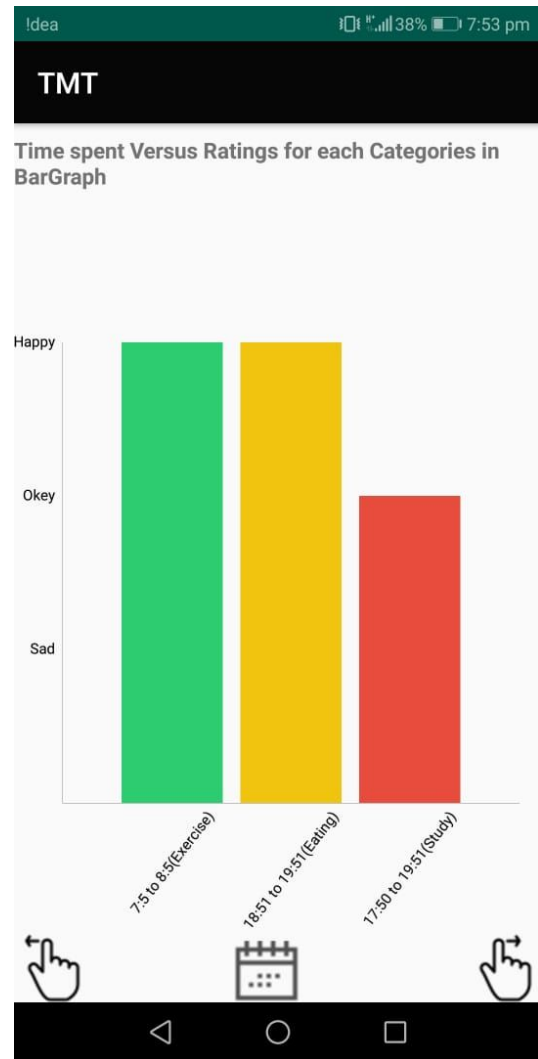
6. Testing

Test Case ID	Title	Description	Test Steps	Expected Result
TC01	Add Activity Page	A user should be able to successfully add an activity	01. Open the Home Screen 02. Click and navigate to add activity page 03. Fill up all the fields [activity name, category, start time, end time, rating] 04. Click add button	An user should be navigated to the home page with the message "Activity recorded "
TC02	Daily Summary Page	A user should be able to see the bar chart showing daily logged activities	01. Click the My summary button in the home screen. 02. Navigate to summary page	A bar chart showing time versus activity rating of categories should be visible.
TC03	Week Summary Page	A user should be able to see the Pie Chart showing weekly logged activities	01. Click the My summary button in the home screen. 02. Click the week button of the daily summary screen 03. Navigate to weekly summary page	A Pie chart showing the time spent for each categories within a week must be viewed.
TC04	Share Option	A user should be able to share its weekly summary Pie chart.	04. Click the My summary button in the home screen. 05. Click the week button of the daily summary screen 06. Navigate to weekly summary page 07. Click the share button	A user will get the message "Message Sent" on the weekly summary screen

Test Data

Test No.	Test Data	Expected Result	Status (Pass/Fail)												
TS01	Add_Activtiy data:		Pass												
	<table><tr><th>Time</th><th>Category</th><th>Rating</th></tr><tr><td>7.0p.m- 7.58 p.m</td><td>Study</td><td>Happy</td></tr><tr><td>8.00 p.m-9.00 p.m</td><td>Sleeping</td><td>sad</td></tr><tr><td>9.00 pm- 11:1 p.m</td><td>others</td><td>okey</td></tr></table>			Time	Category	Rating	7.0p.m- 7.58 p.m	Study	Happy	8.00 p.m-9.00 p.m	Sleeping	sad	9.00 pm- 11:1 p.m	others	okey
	Time			Category	Rating										
	7.0p.m- 7.58 p.m			Study	Happy										
	8.00 p.m-9.00 p.m			Sleeping	sad										
9.00 pm- 11:1 p.m	others	okey													

Time	Category	Rating
7 :05a.m-8.05 a.m	Exercise	Happy
6.51 p.m-7.51 p.m	Eating	Happy
5..50 pm-7:51 p.m	Study	okey



Failed

