

# Moody Foody Diary Wing Sum Chung

Demo video: [https://youtu.be/\\_x-oHbA3QH4](https://youtu.be/_x-oHbA3QH4)

Github repository: [https://github.com/SumSumarie/wingsum\\_Chung\\_tbii-exam.git](https://github.com/SumSumarie/wingsum_Chung_tbii-exam.git)

## Introduction:

A food diary to generate foodie recipes the color of their moods, based on the users' mood, the weather, the health condition, and the mood diary.

The color of the interface will be adjusted corresponding to the color the users selected.

The users can simply click on the button to select their corresponding mood emoji, the weather of today, their health condition finally goes to the moody diary page to write down their down diary.

The data the users input will be stored in the dataframe, and the calendar at the beginning after the login page. When the users click on the specific date in the calendar, the content of the record will be displayed.

## Methodology:

Multiple libraries are used to make the app.

Tkinter	Datetime	tkcalendar	pandas dataframe
GUI framework	Pick today's date and selected date	The calendar for asking the birthday of the users and the one for storing diary data	<b>1. diary_data(user_mood_data.csv)</b> username, mood_colour, mood_emoji, weather, health, diary, created_at <b>2. user_data(user_data.csv)</b> username, birthday, create_at
tkinter messagebox	pygame	random	csv
Diary entry, username entry	Opening music	Randomly pick the recipes	For organizing the dataframe in the csv file

## Limitations:

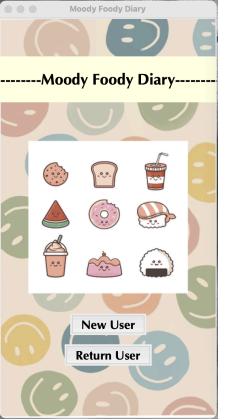
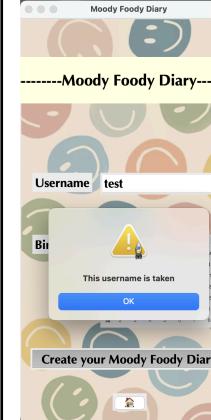
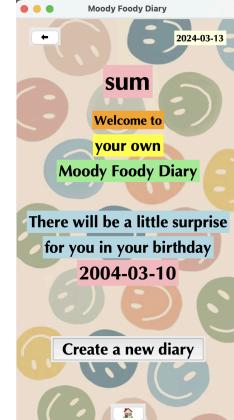
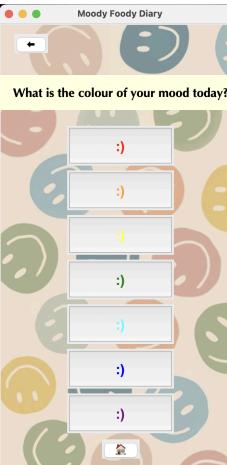
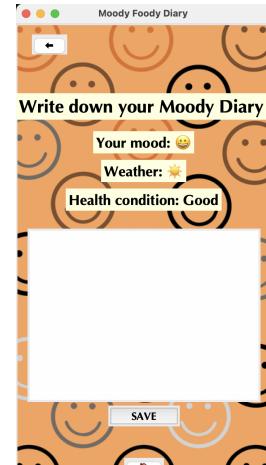
1. I don't have a recipe database to provide the users with multiple recipes and the recipes can't be generated based on the selection
2. The calendar couldn't match my expectation to directly show color on each date when I didn't select the date
3. The recipe couldn't be generated based on the selections of the previous items
4. The fonts of the recipes are too small, because I have to put every information on an image.
5. If the diary is too long, it couldn't be shown as a paragraph with multiple lines in the view\_diary\_page, instead it is shown as a really long line.

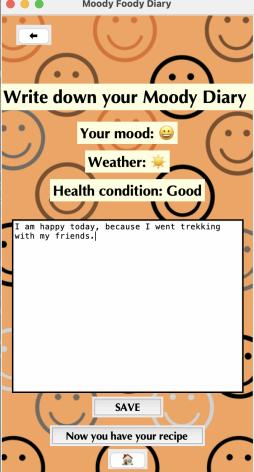
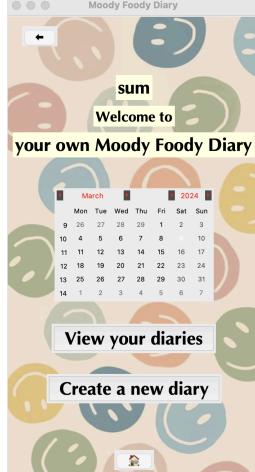
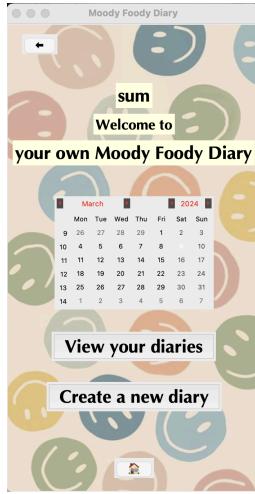
## Design:

Mobile phone app size is used.

The design elements include colorful smiling faces background with images of the cute food with eyes and the delightful music at the beginning of the app.

7 colors can be selected as the mood colors

				
The <b>home page</b> with the button of new user and return user. A delightful piece of music will be played when the app is run	The <b>new user page</b> where the users can input the username and their birthday to create the diary	When the user didn't enter the username or the user name has been taken, it will show the error message.	When the user type in the name that was already taken, the window for showing the warning message will pop up	<b>Calender page</b> new after the <b>new user page</b> showing the welcoming message, the date of today and the birthday
				
The <b>mood colour page</b> where users can select the colour of the mood today.	After the colour button is clicked, in the <b>mood colour page</b> , it will go to the <b>mood emoji page</b> with the background of the corresponding	Then it will go to the <b>weather page</b>	Then it will go to the <b>health page</b>	The <b>diary_page</b> where the previous options and the blank for writing down the diary are shown

	colour.			
				
After saving the diary, the button of “Now you have your recipe” will be shown.	Technically, the user will get a recipe according to all the options they selected and the emotion analysis of the diary. Now I have limited numbers of recipes to demonstrate how the flow works. The user can click the calender button at the bottom, which will go back to the calendar page new	The <b>calendar page new</b> where people can pick the dates on the calendar and view their diaries. Or they can create a new diary The colour of the date of the calender is correlated to the mood colour selected	After clicking into the selected date, it will show the diary in the <b>view diary page</b> that was stored in the calendar	after clicking the button of “View your foody Recipe” on the <b>view diary page</b> , it will display the generated recipe that was already stored in the calendar
	On the <b>return user page</b> , the user can enter the username they registered and it will go to the <b>calendar page return</b> , which is the same as the <b>calendar page new</b>		After typing in the name and entering the diary, it will show the pages of <b>calender return page</b> the same design as <b>calendar page new</b> and users can keep on either viewing the diary or creating the new diary	