Scenario Descriptions:

Title: Track Water Intake

#	Subject	Subject Action	Parameters	Object Acted Upon
1.	User	Selects	“Add entry”	GUI
1.2	GUI	Passes	Input Information	System
2.	System	Displays	Input Prompt	GUI
3.	User	Selects	“Log Water Intake”	GUI
3.1	GUI	Passes	Input Information	System
4.	System	Displays	Input Prompt	GUI
5.	User	Enters	Amount of water (oz)	GUI
5.1	User	Selects	“Record”	GUI
5.2	GUI	Passes	Input Information	System
6.	System	Stores	User Input	Database
6.1	Database	Confirms	Storage	System
6.2	System	Displays	“Storage Confirmed”	GUI
6.3	GUI	Displays	“Storage Confirmed”	User

Title: Record Workout

#	Subject	Subject Action	Parameters	Object Acted Upon
1.	User	Selects	“Fitness”	GUI
1.1.	User	Selects	“Record Workout”	GUI
2.	GUI	Passes	Input Information	System
3.	System	Displays	List of Exercises	GUI
4.	User	Inputs	Exercises, Reps, Times	GUI
4.1	GUI	Passes	Input Information	System
4.2	System	Stores	Workout Data	Database
5	Database	Confirms	Storage	System
5.1	System	Display	“Storage Confirmed” prompt	GUI
5.2	GUI	Display	“Storage Confirmed” prompt	User

Log daily calories consumed

1. User selects “Add an entry +” command
2. Box appears prompting user to choose entry method
3. if

3.1 User chooses “Scan barcode”

3.2 System accesses user’s camera

3.3 Camera captures an image of the barcode

3.4 System accesses FoodData Central database and searches for matching barcode

3.4.1 if match is found

3.4.1.1 Calorie info is added to the daily log

3.4.2 else

3.4.2.1 System displays “Food item not found” message

4. else

4.1 User chooses “Search for food”

4.2 System prompts user to enter keywords for search

4.3 System accesses FoodData Central database and searches for these keywords

4.3.2 if match(es) to the keywords is found

4.3.2.1 System displays potential match(es) to the user

4.3.2.2 User selects closest match

4.3.2.3 Calorie info for selected food item is added to the daily log

4.3.3 else

4.3.3.1 System displays “Food item not found” message

Title: Set Custom Weight Goals

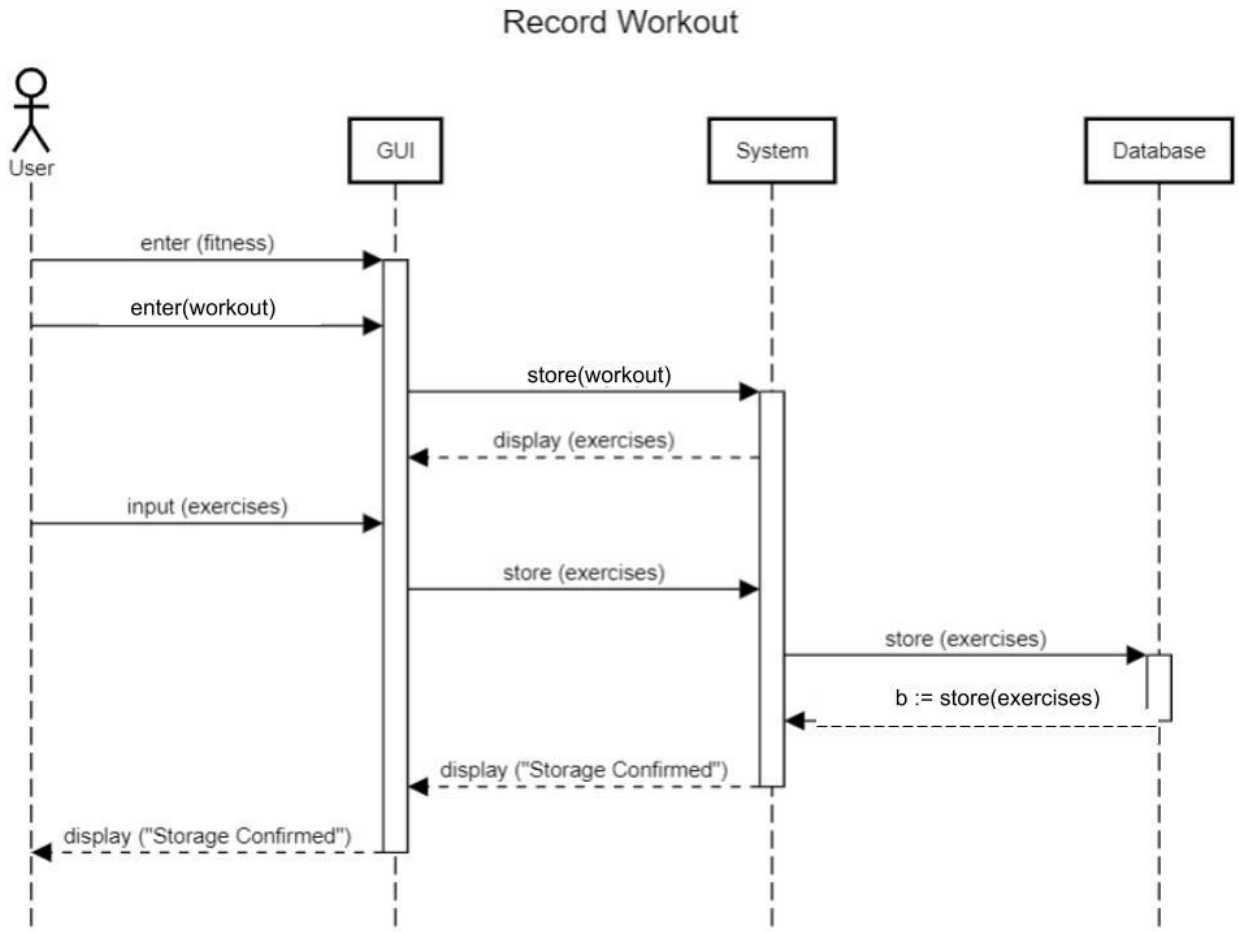
#	Subject	Subject Action	Parameters	Object Acted Upon
1.	User	Opens app	On first use	GUI
1.1	GUI	Passes	First use alert	System
2.	System	Displays	Input prompt for personal information	GUI
2.1	User	Inputs	Personal Information	GUI
2.2	GUI	Passes	Personal information	System
2.3	System	Stores	Personal Information	Database
3	System	Displays	Input prompt for weight goals	GUI
3.1	User	Inputs	Weight goals	GUI
3.2	GUI	Passes	Weight goals	System
4.	System	Stores	Weight goals	Database
5.	System	Closes	Dialogue	GUI

Title: Track daily macronutrients consumed

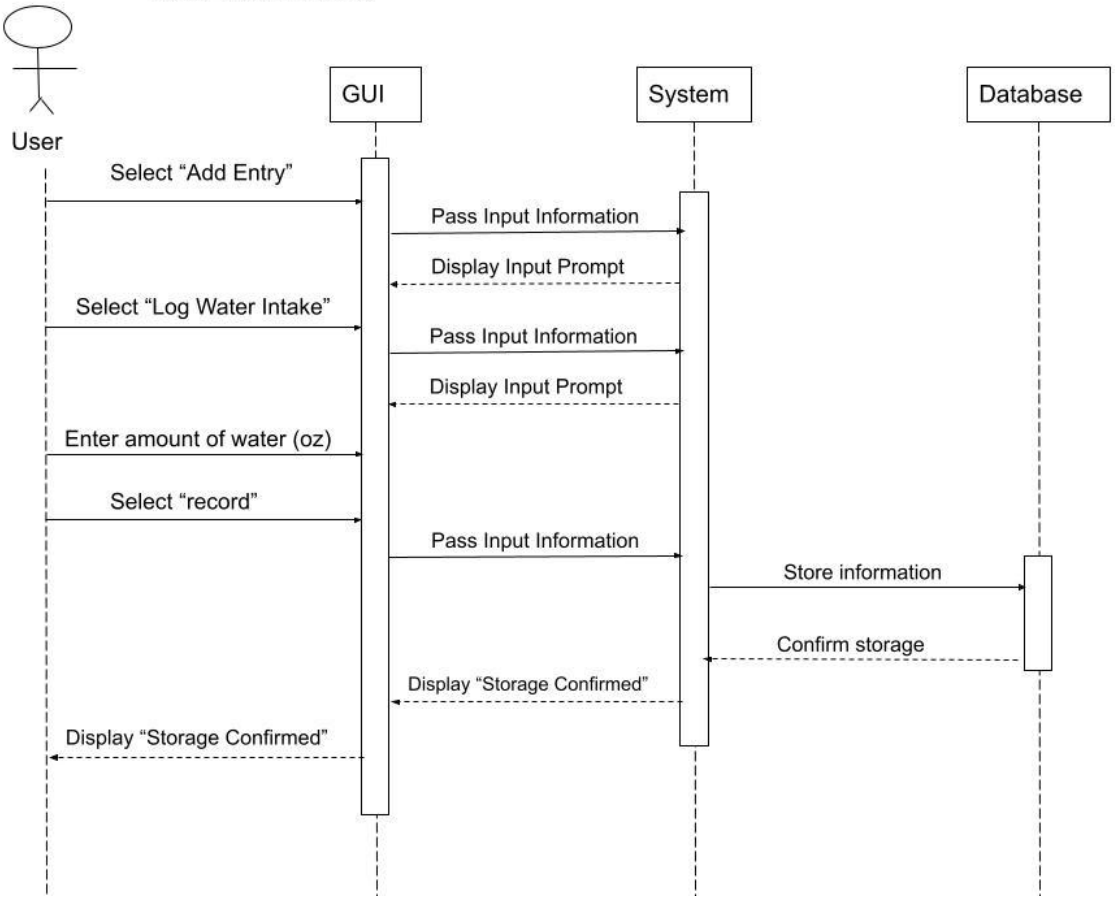
#	Subject	Subject Action	Parameters	Object Acted Upon
1.	User	Selects	Add an entry	GUI
1.2	GUI	Prompts	Macronutrients Dialogue	System
2.	System	Displays	Dialogue box	GUI
2.1	User	Selects	“log macronutrient intake”	GUI
2.2	GUI	Passes	User Input	System
2.3	System	Displays	User input box	GUI
2.4	User	Inputs	Macronutrients	GUI
2.5	GUI	Passes	Macronutrient intake information	System

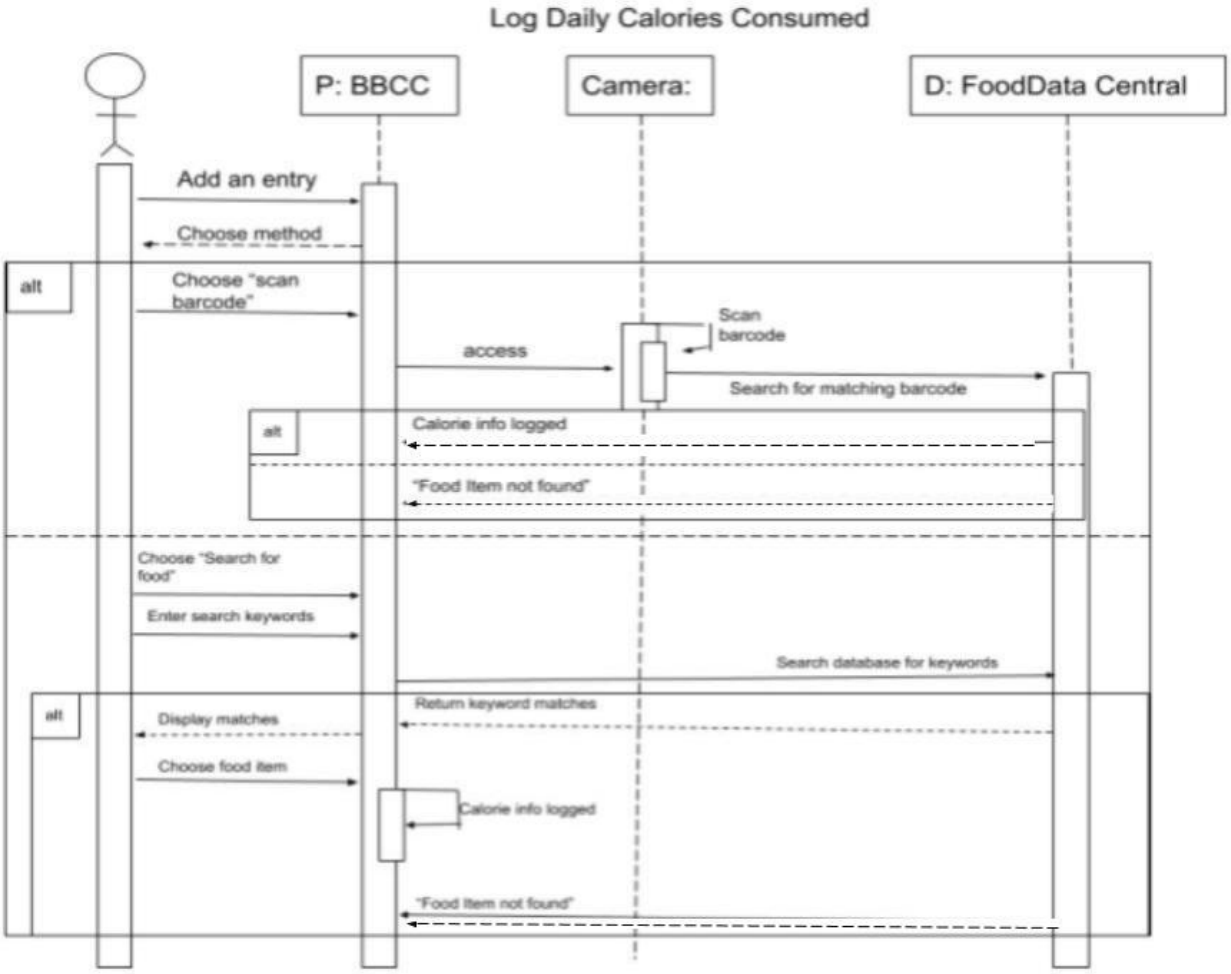
3	System	Stores	Macronutrients	Database
4	System	Closes	Dialogue	GUI

Analysis Sequence Diagrams:

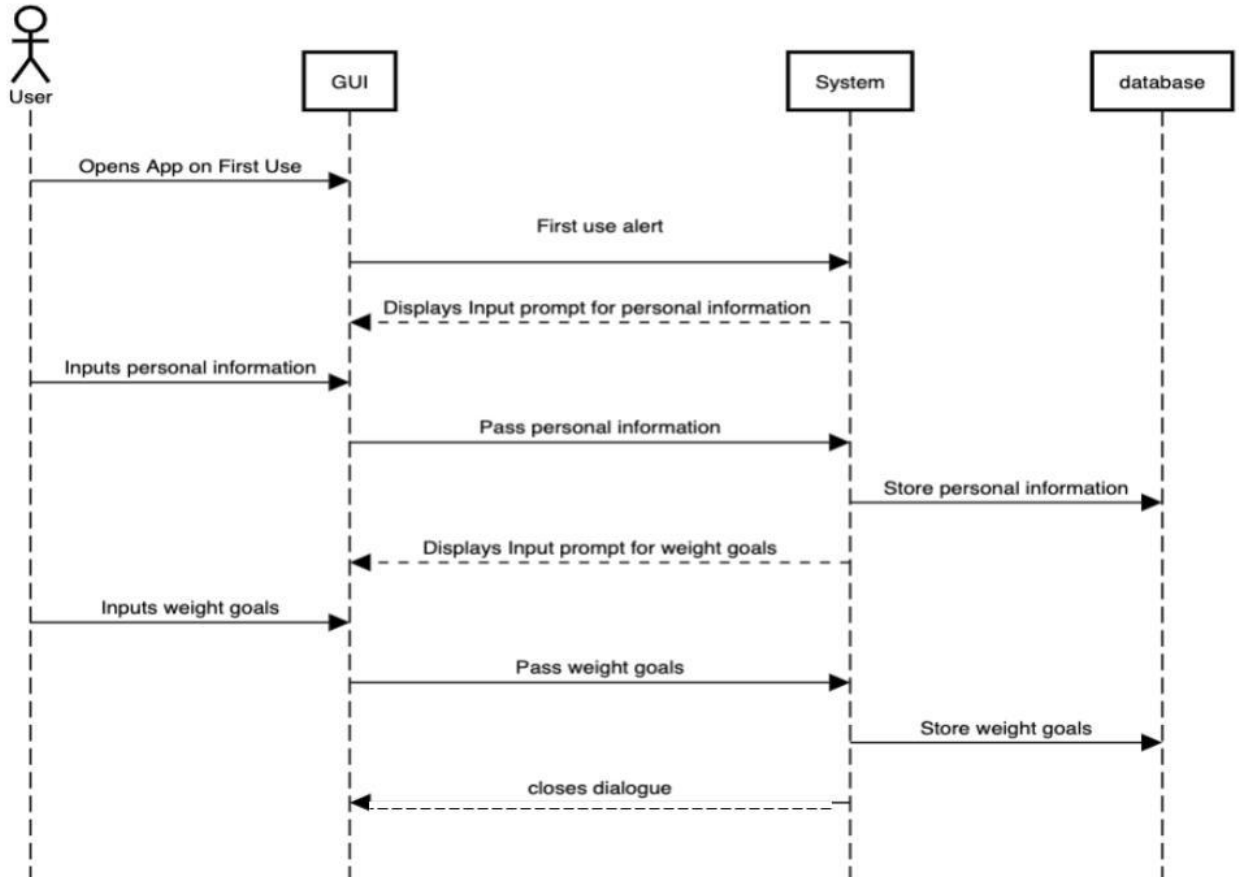


Track Water Intake

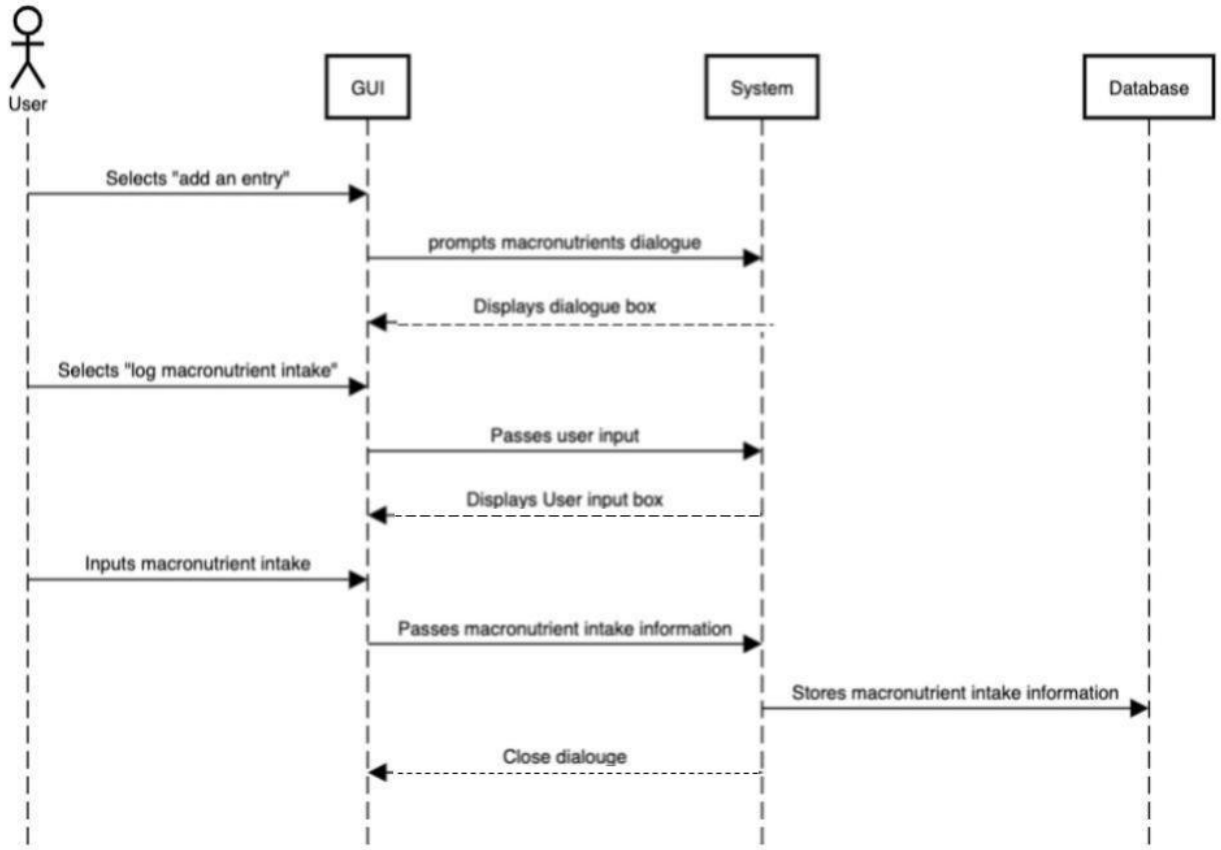



Log Daily Calories Consumed
P: BBCC
Camera:
D: FoodData Central
Add an entry
Choose method
alt
Choose "scan barcode"
Scan barcode
access
Search for matching barcode
alt
Calorie info logged
"Food Item not found"
Choose "Search for food"
Enter search keywords
Search database for keywords
alt
Return keyword matches
Display matches
Choose food item
Calorie info logged
"Food Item not found"

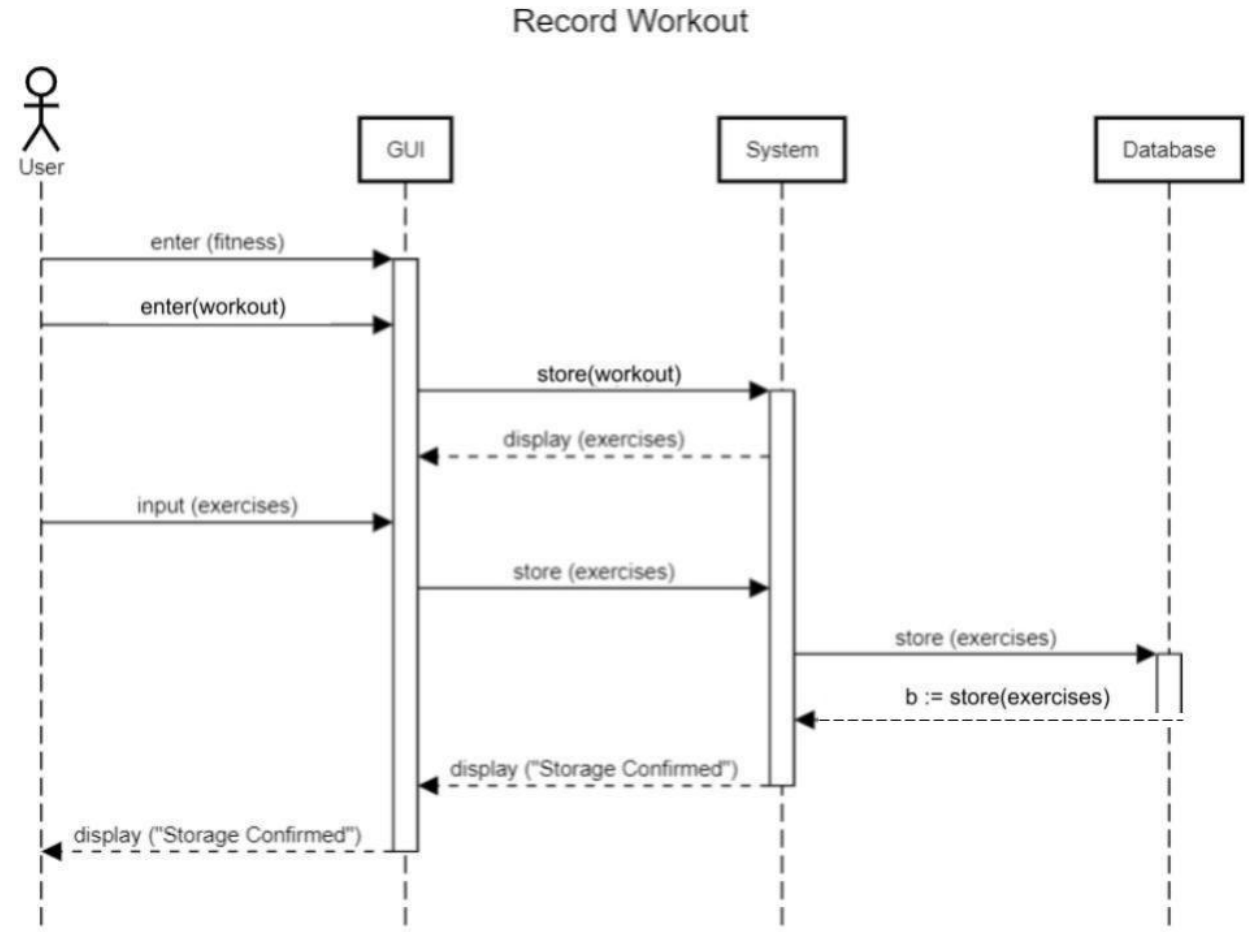
Set Custom Weight Goals



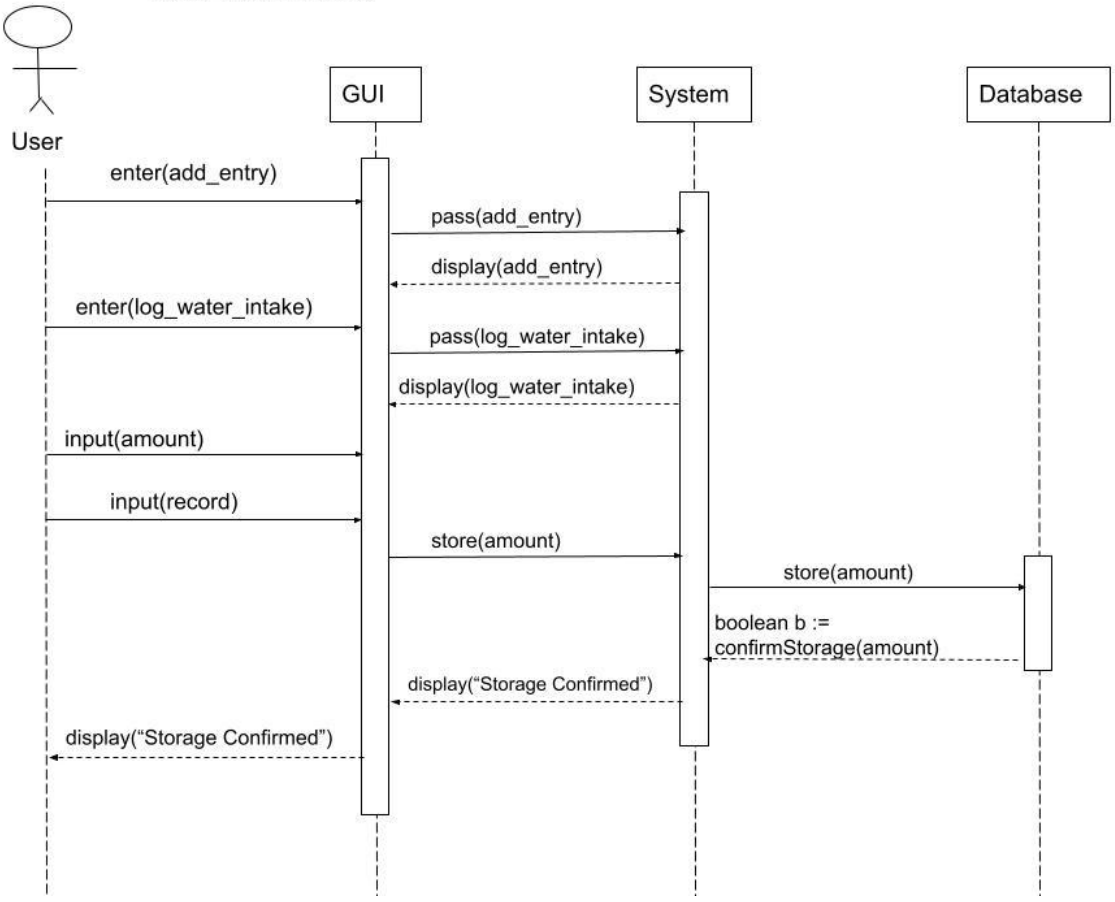
Track daily macronutrients consumed



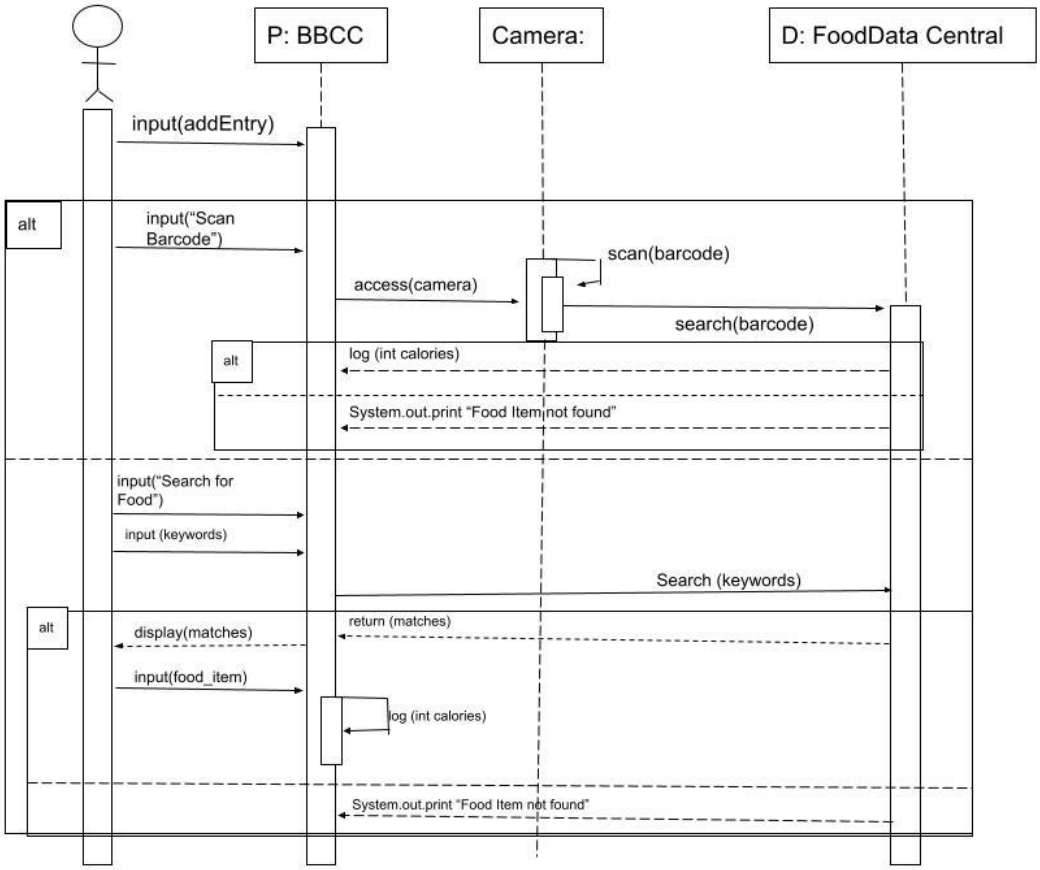
Design Sequence Diagrams:



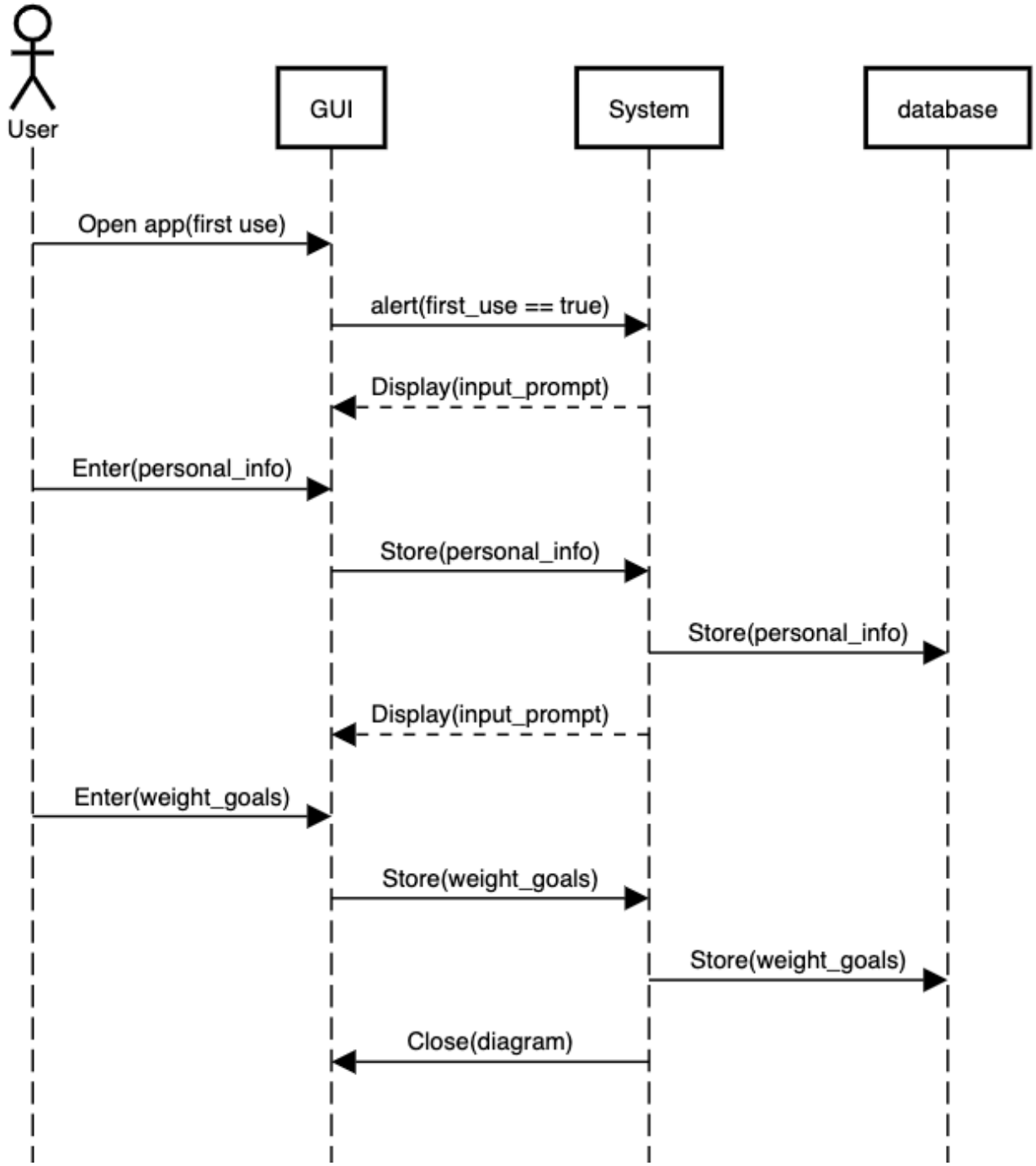
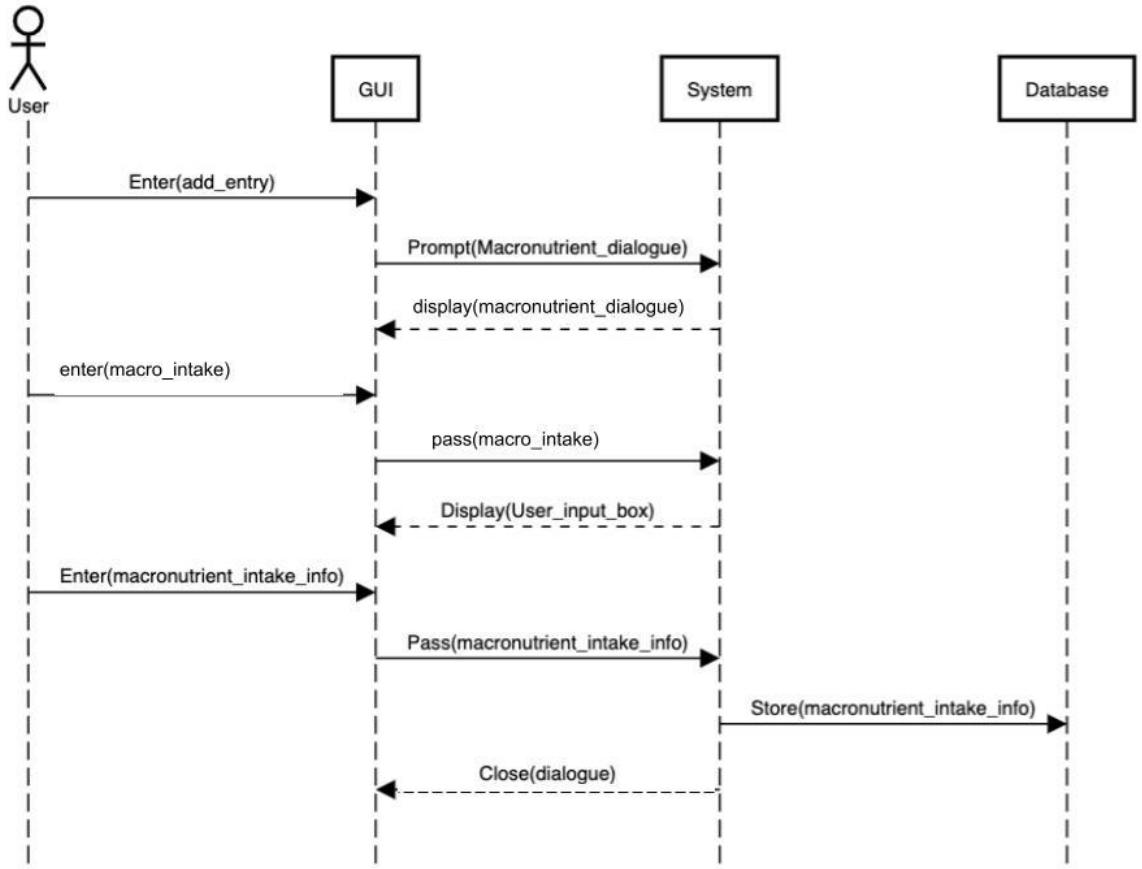
Track Water Intake



Log Daily Calories Consumed



Set Custom Weight Goals



Track daily macronutrients consumed