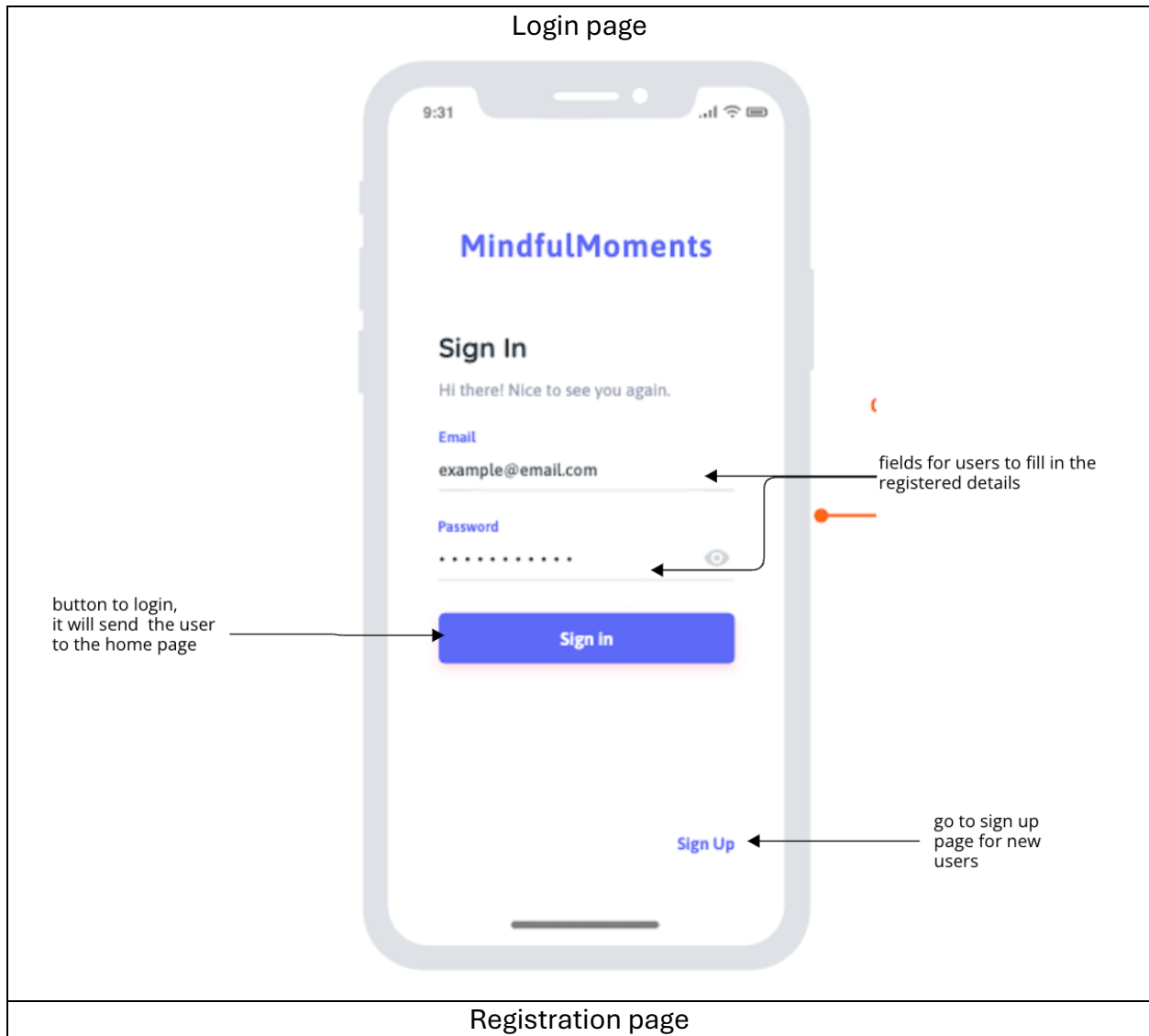
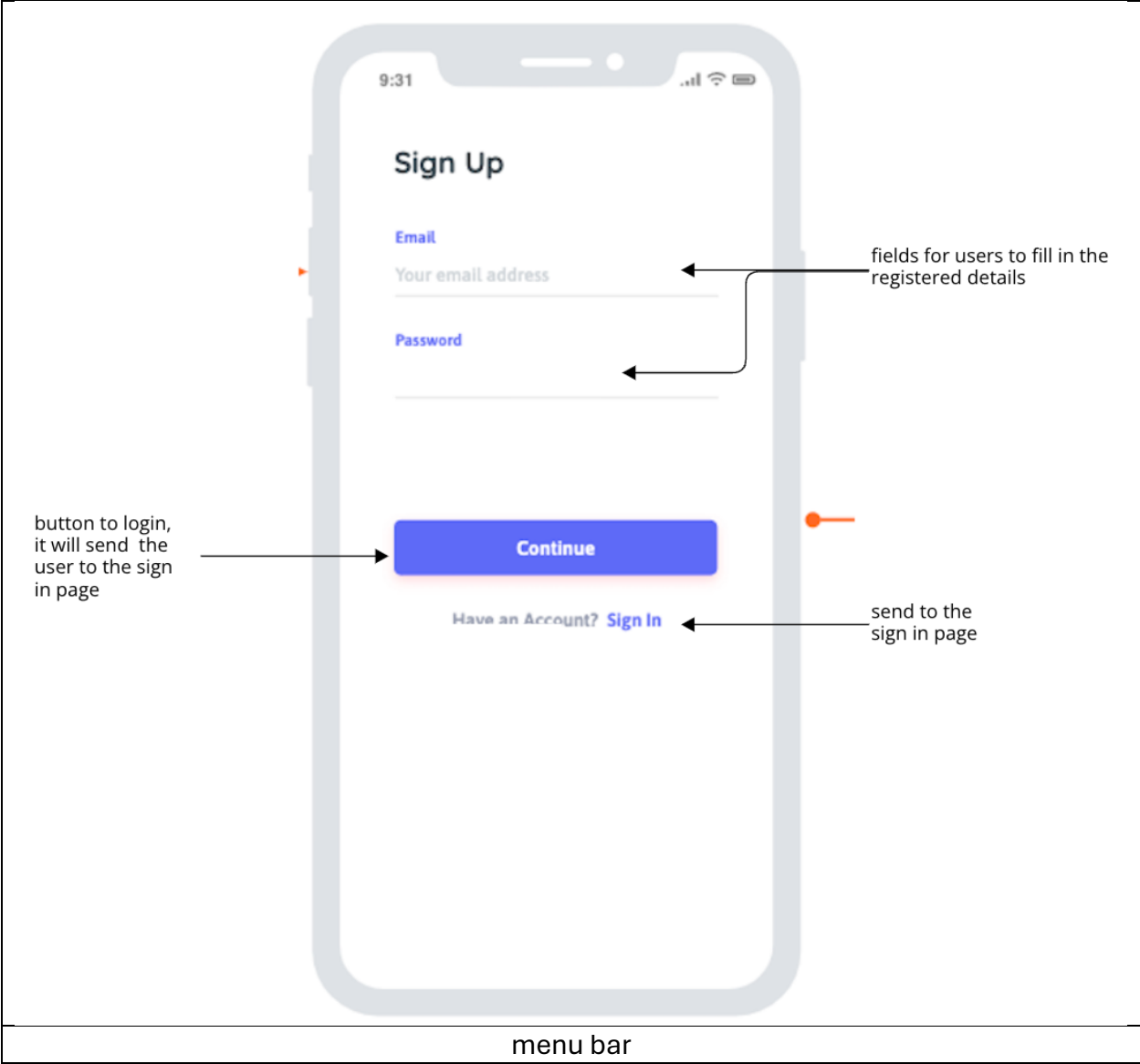
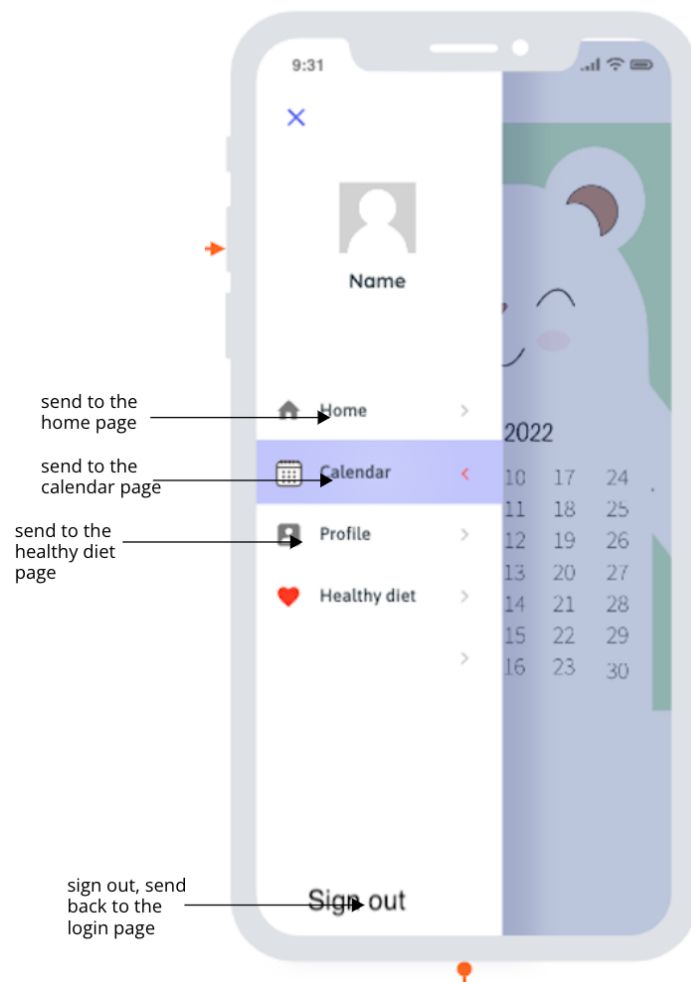


Criterion B: Solution Overview

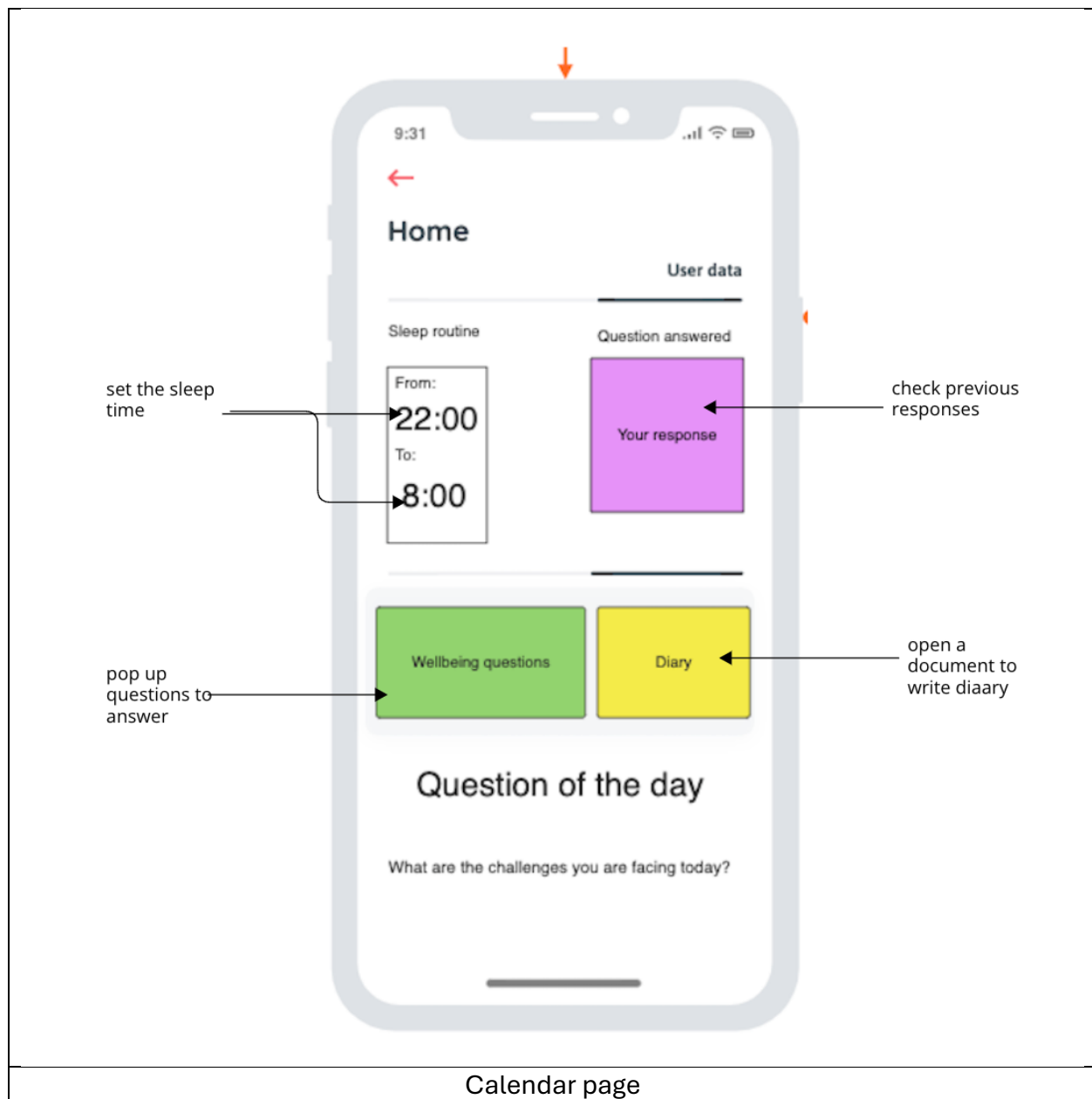
Graphical user interface

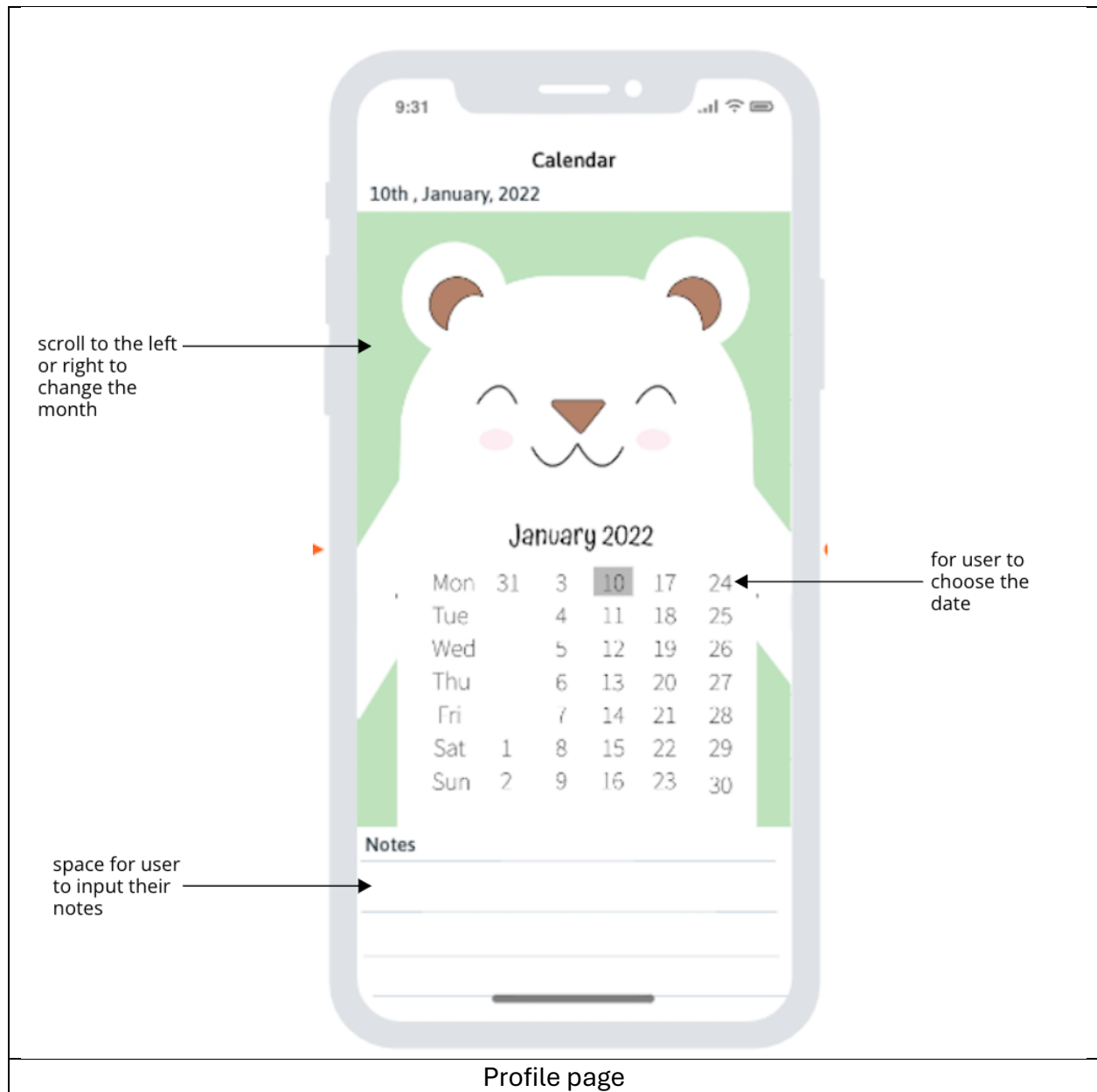


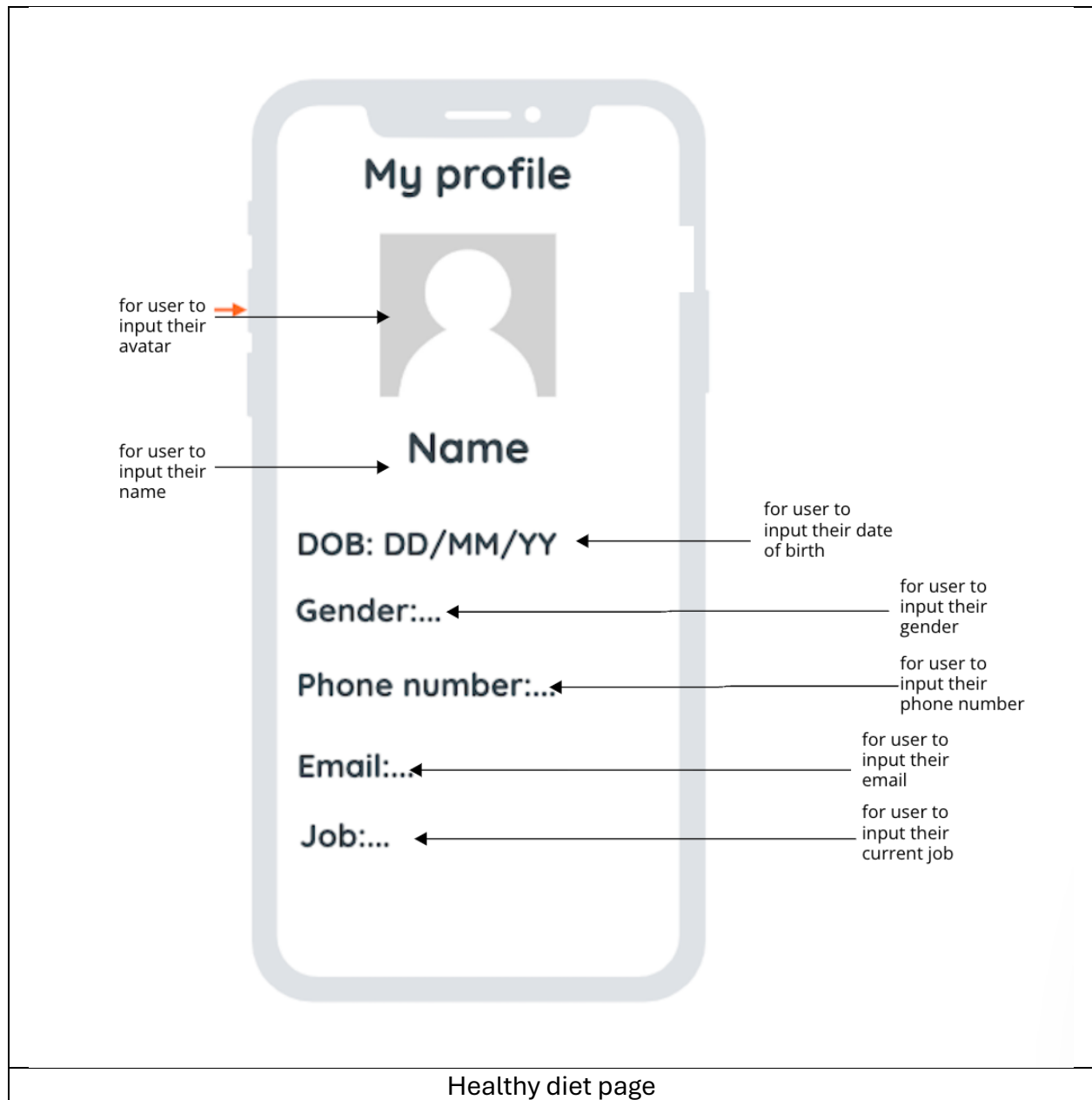




home page







Healthy Diet



it would be best if you balanced these nutrients:

- Carbohydrates
- Proteins
- Fats
- Vitamins
- Minerals
- Dietary fibre
- Water

breakfast:



for user to
input their
meal

lunch:



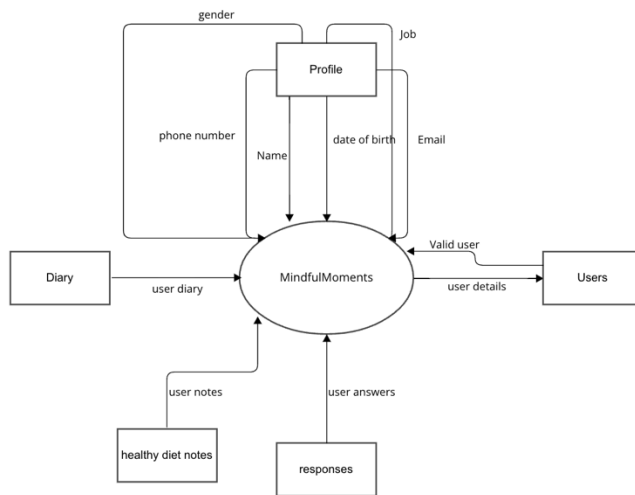
for user to
input their
meal

dinner:



for user to
input their
meal

DFD level 0 diagram

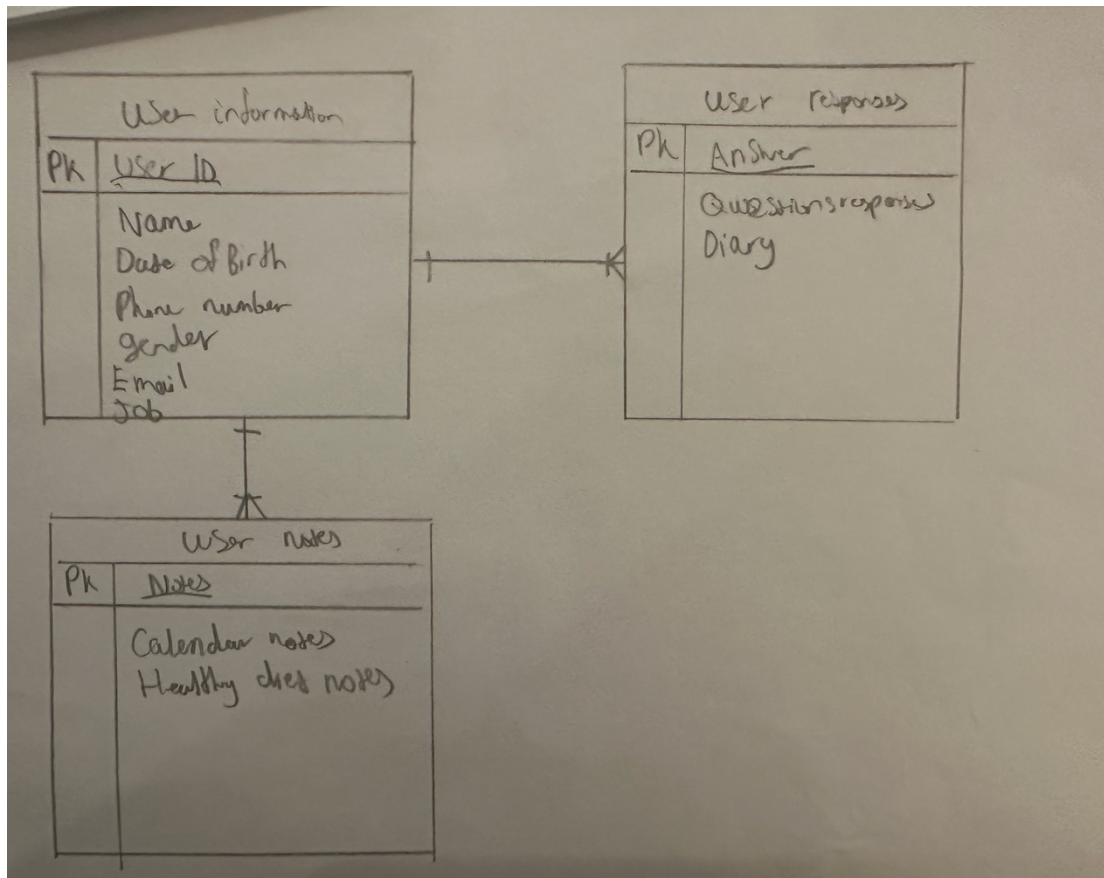


Data dictionary

Entity: Users

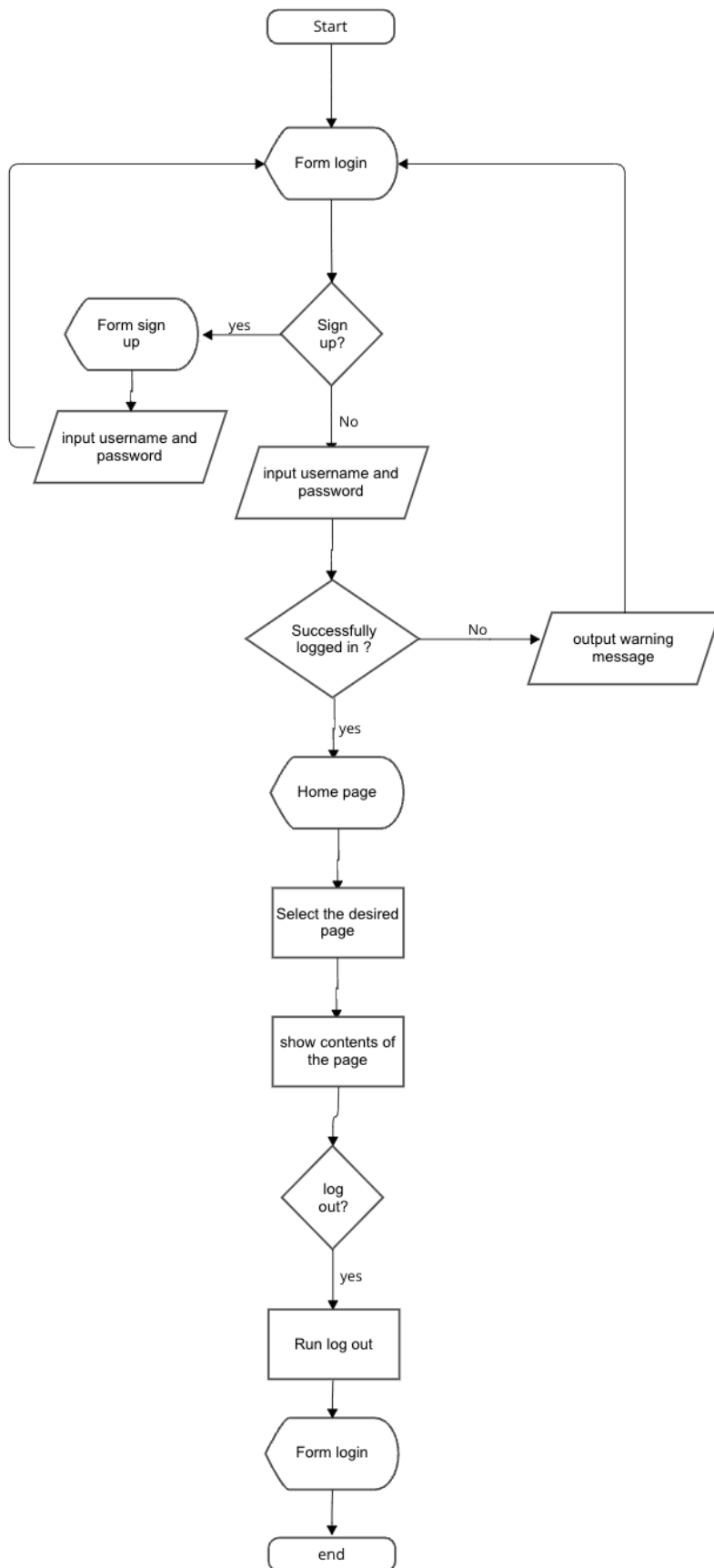
Attributes	Key	Data type	Field Length	Validation	Description
UserID	PK	int			
Name		String	30		User's full name used to login
Gender		String	20		User's gender
Email		String		contains "@gmail.com"	User's email
Phone		String	15	contains "+"	User's personal phone number
Job		String	25		User's current job
Password		String	15	Contains: 1. Upper case letter 2. Lower case letter 3. Number 4. Special symbol	User's password

Database ER diagram



Flowchart

login and sign-up page:



Record of tasks:

Task number	Planned action	Planned outcome	Time estimated	Target completion date	Criterion
1	Find a client	Come up with an idea	2 days	3 th April	A
2	First dicussion with my computer science teacher	Idea approved by my teacher	10 minutes	4 th April	A
3	Consulting client	Understand their problem and provides ideas and solutions	30 minutes	4 th April	A
4	Work on planning	Write down the ideas and program's features	1 hour	5 th April	A
5	Decide the programming language and database systems	A suitable language and database system for the program	30 minutes	5 th April	A
6	Meeting with my client	Agreement on the program	15 minutes	6 th April	A
7	Write the introduction for my IA	Finish criterion A	1 days	9 th April	A

8	Write down the success criteria	A list of success criteria which has been approved by the client	1 hour	9 th April	A
9	meet up with my computer science teacher	Ask for feedback	30 minutes	10 April	A
10	Starting Criterion B	Understand the task that is needed for criterion B	1 hour	31 June	B
11	Draw the flow chart for the program	Finish the flow chart	1 hour	1 st June	B
12	Draw the user interface	Finish drawing the user interface	3 hours	2 nd June	B
13	Draw the SQL data base diagram	Finish drawing the SQL diagram	30 minutes	3 rd June	B
14	Draw the DFD diagram	Finish drawing the DFD diagram	30 minutes	3 rd June	B
15	Watch the tutorial for sign in and sign up interface	Know how to make the sign in and sign-up interface	1 hour	20 th June	C
16	Make the sign in and sign-up page	Finish making it	3 hours	12 th July	C

17	Research and study some of the Swift UI code	Know how to code some basic code	2 hours	25 th July	C
18	Make the user interface for all the app	Finish making it	10 hours	20 th August	C
19	Meeting the success criteria	Try to meet all the success criteria	3 hours	30 th August	C
20	Learn how to connect with the database	Research and learn how to do it	Still working on	Before the final deadline	C
21	Write Criterion C	Finish making it	5 days	17 th September	C
22	Make a video for criterion D	Finish making it	1 hour	22 th October	D
23	Continue connecting with the database	Try to code it with my code	Still working on	Before the final deadline	C
24	Make a tutorial for the client to access the app	Finish making it to send to the client	30 minutes	30 th October	E
25	Send the app to the client	Send the app to the client to ask for feedback	10 minutes	1 st November	E
26	Meet up with the client to ask for feedback	Interview the client	30 minutes	5 th November	E

27	Write down the transcript	Finish writing it	10 minutes	9 th November	E
28	Write the evaluation for criterion E	Finish it on time and meet the draft deadline	3 days	12 th November	E