The project will be a mobile application for customers and a backend dashboard for Restaurant owners.

people will be able to sign in to the app using mobile and email authentication, and then they will be able to buy specific healthy meals subscription plans that the restaurant provides, the meal plan consists of (plan duration by days, number of meals and snacks, range of total calories per day, price of the plan). When the customer wants to buy the plan a calendar will show to select the starting day of the plan, but he can't select the starting day to be on the same day, also the restaurant owner will be able to set how many days will the subscription starts from when the plan is bought for all new upcoming plans customers will order.

After buying the plan and activating it from the admin dashboard, the users will be able to set their meals from the meals planning page.

Customer Mobile Application:

Consists of 4 pages

* Homepage: the main page, will have:
* The name of the user and how many days left for the subscription
* total calories per day goal counter (can be set from the profile page), and consumed calories (when clicked it will show an input so the user can input the calories manually and will show the meals ordered today so he can select them and the calories of each meal can be added as a consumed calories), exercise calories (user will have an input to enter how many calories burned to subtract t from the consumed calories ). As the consumed calories increase the goal counter will be filled.
* The user's current weight, user maximum weight, and goal weight all can be set from the profile page
* My meals section button can be clicked a pop-up will show the meals for today.
* Icons buttons section: 1- Coach (Dietitian) icon: This will show a list of dietitians for booking appointments with them, when a dietitian is selected a calendar will show the available days and hours for booking. 2- Pause icon: this will send a request to the restaurant to pause the user's subscription. 3- Messages icon: this is where all the notifications the user's receive from the restaurant. 4- help icon: this will show contact info(clickable phone number, email, WhatsApp).
* Meals planning page: a calendar that has all the subscription days highlighted,

There are five statuses for each day of the subscription ( subscription days, off days, preparation days, selection days, skipped days, and delivered days)

* subscription days: the plan days the user has from the starting day till the last day, they are highlighted on the calendar
* Off days: those days are days where no meals can be set and the users won't receive any meals those days, the restaurant can set specific repeated days that all customers can't set up their meals and it will show on the calendar for the user as an (X) so they know that they won't get any meal that day. Also, the restaurant will be able to set manually for all the user’s specific days such as holidays as off days too.
* Preparation days: Those days are the days where the user cannot change the meals selection because they are being prepared, they start from the current day to a number of days (e.g 2 , 3 days in advance ), and the restaurant will be able to set how many days is the preparation days amount. It will show as a food preparation icon in the calendar.
* Selection days: Those days are the days the users can select their upcoming meals, those days will be as a **checkmark** **icon**, if a user didn't select their meals, random meals will be selected for them. also, there will be a skip button which will make that day get skipped the user will not be able to select meals and it will become skipped day status and the user will get a day added to his last day in the plan.
* Skipped days: those days are the days the user has marked skipped from his selection days, they will be shown as pause icons.
* Delivered days: those are the days that got delivered, the restaurant can set them for the users manually, and they will show as a green delivery car.
* Menu page: shows all the meal subscription plans available and when a plan is selected it will show all the food menus for that plan, and if the user has no plan he can buy and subscribe to it.
* Profile page: consists of; 1- the name of the active subscription 2- the profile section(editing name, civil ID, phone number, email, date of birth, current weight, height, and gender. 3- My address section: the user's delivery address, he can add more than one but can select only one as an active delivery address, also a button to select the available delivery schedule set by the restaurant. 4- Order History: shows all the subscriptions bought. 5- Language Switcher (English/Arabic) 6- terms & Conditions section: text page that can be edited from the restaurant dashboard 7- Logout button

Dashboard:

1- Can create/edit/delete customers and Admin users

2 -Can create/edit/delete subscription Plans

subscription consists of: numbers of meals/snacks

* Range of calories
* Name of the plan
* description
* Price
* Photo

3- Can create/edit/delete meals/snacks

meal consists of:

* Name
* Ingredients (description)
* How to prepare
* Calories/Protein/ Carbs/Fat

- -Category (Breakfast/ lunch/dinner/snack)

- Subcategory (sweet / salad/fruit..)

- Photo

4 orders page: a calendar that shows the whole month, each day is clickable, and when a day is clicked it will show all the orders for that day each order is clickable.

Admin can create/edit/delete orders

order consists of:

* order number
* order user name
* order meals/snacks Names
* order user address
* order status preparing, delivering, delivered, canceled

5- subscribers page, a page to manage all the New subscription requests and current subscribers, also admin can create/edit/delete/pause subscriptions for any user from this page.

6- Reports page: a page shows a Graph of earnings from all the subscriptions throughout the year, also a Graph that shows each subscription and its total earnings through each month.

7 Users page; a page to manage all Users (customers and admins), you can create/edit/delete users and see their profile, subscription plan, and order history.

8 Restaurant Settings page:

- Setting a Delivery Schedule

- Setting preparation Pays

- Setting off Days

* sending notification messages to users

Some Requirements (may change according to work):

* Mobile application (iOS/Android) development using Flutter framework
* Payments integration, English/Arabic languages for the mobile app,
* In-app update reminder feature
* Use of only popular maintained flutter packages
* Clean commented code and uses a clean folder structure
* Cloud firestore and Firebase authentications, local storage to optimize read/write operations
* Admin Dashboard using Flutter Web or Laravel