

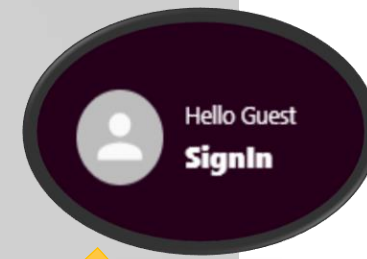
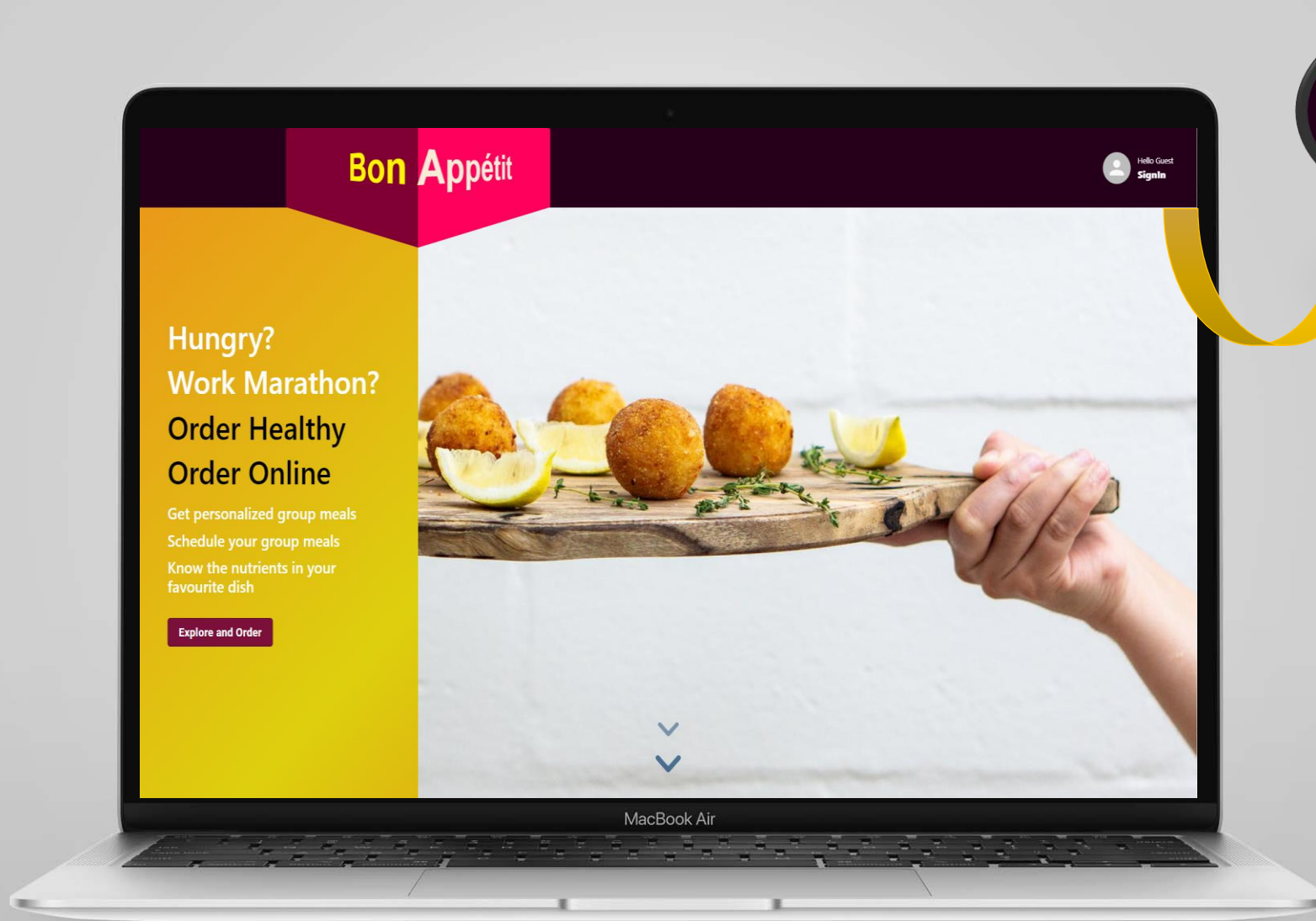
Dobrý deň

We are Team: Dynamic Duo

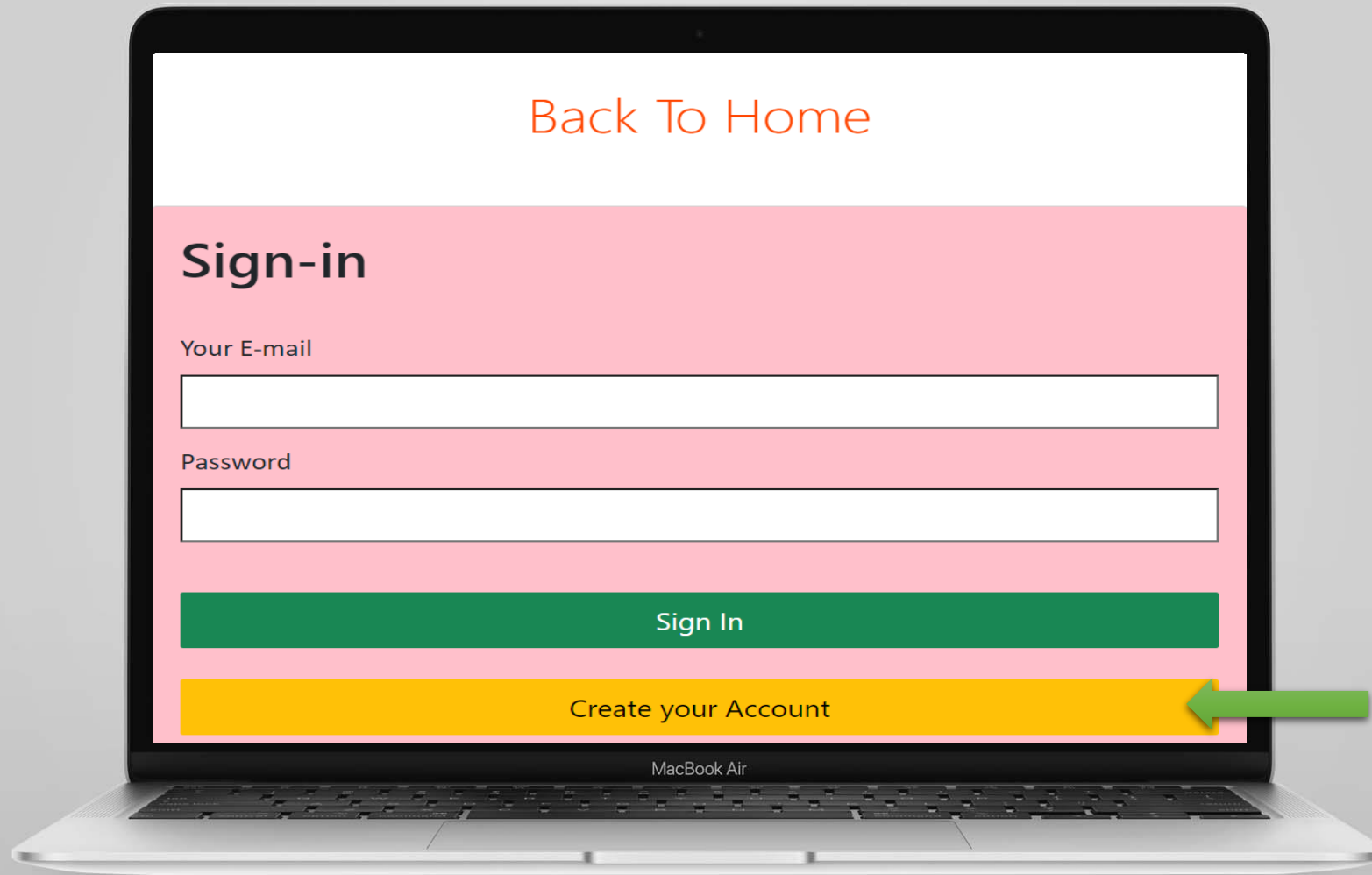
Members:

Bipul Gautam & Divyansh Tripathi

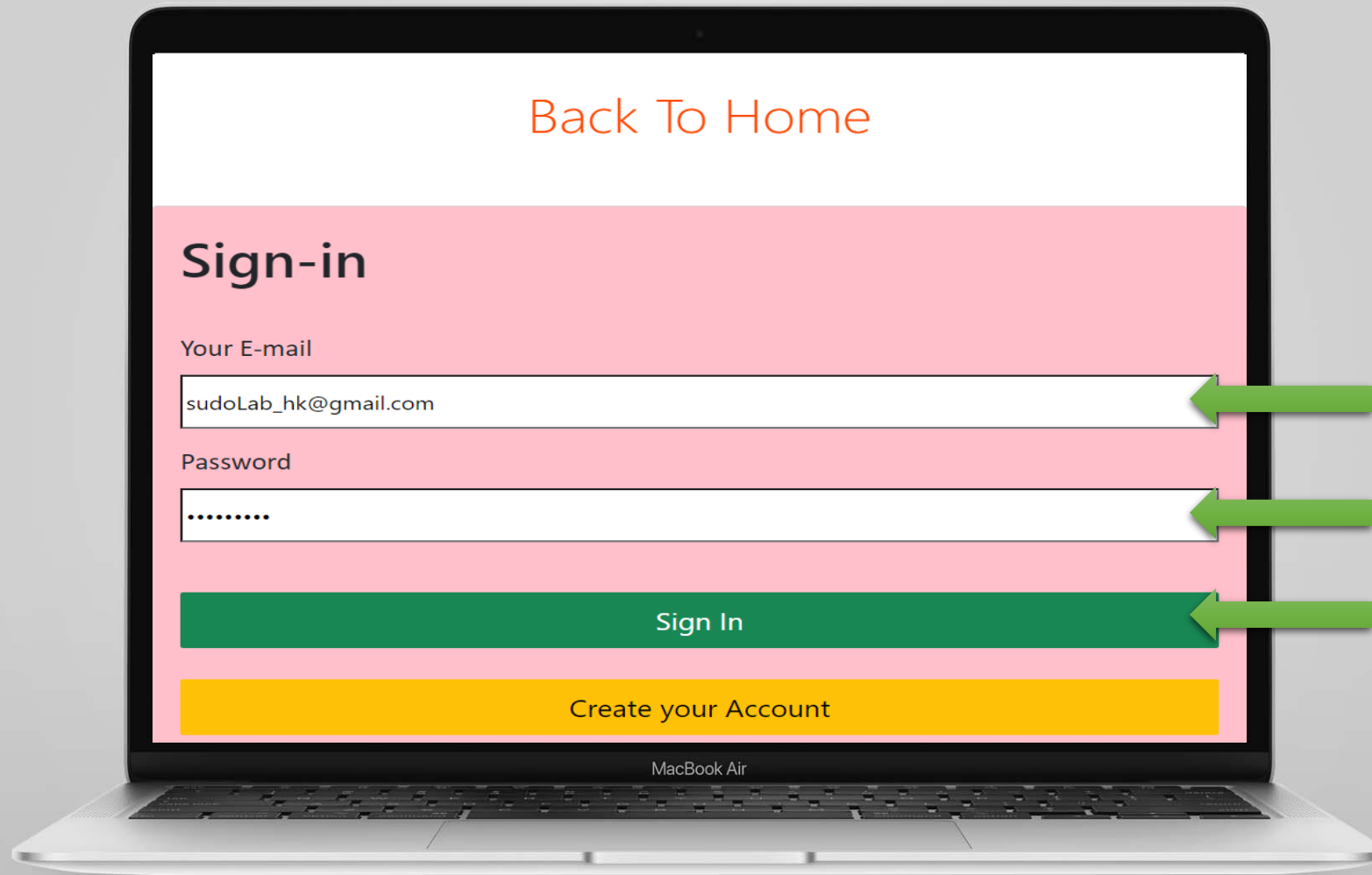
Here we present our Hack



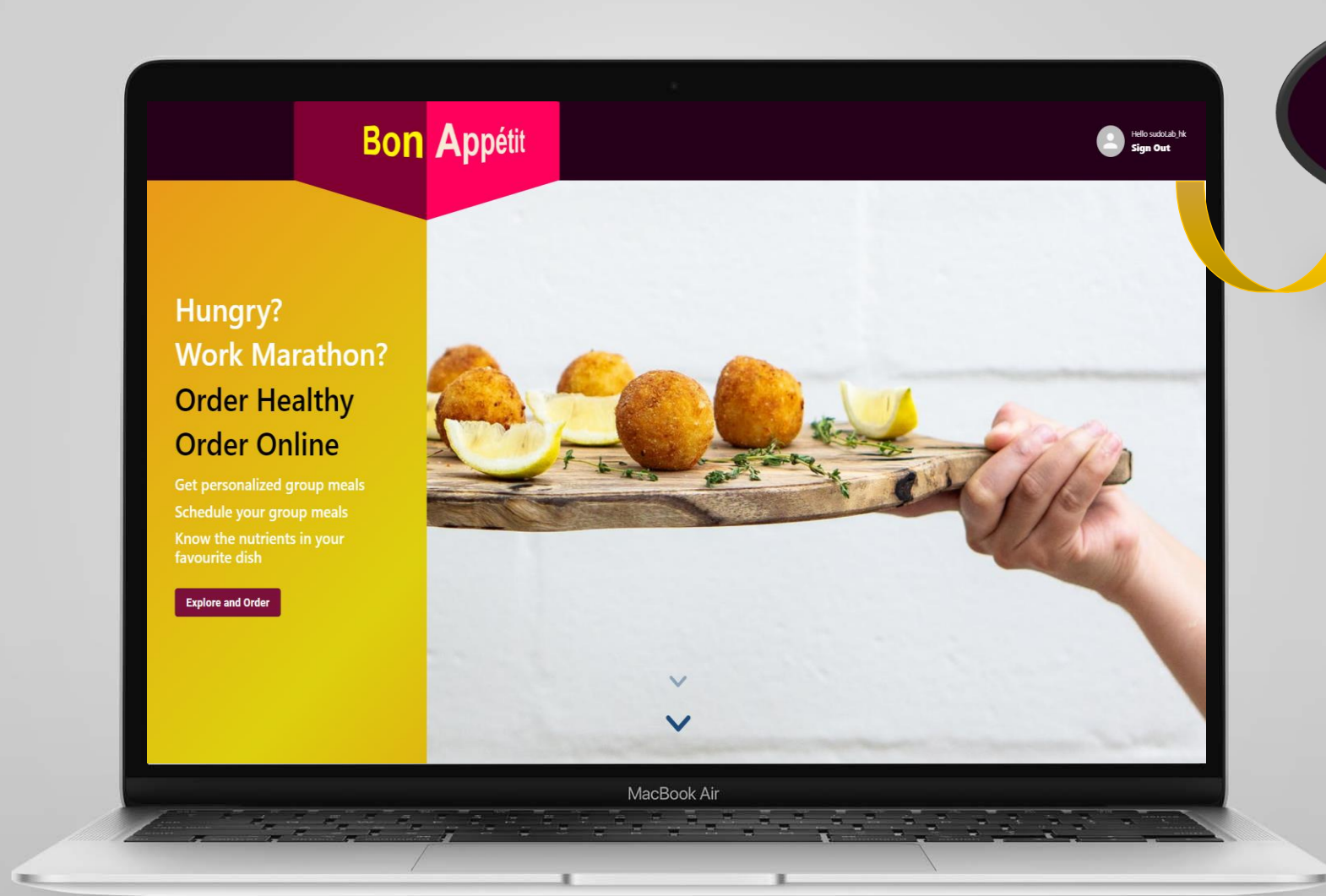
Visit the  
Website  
and  
Sign In



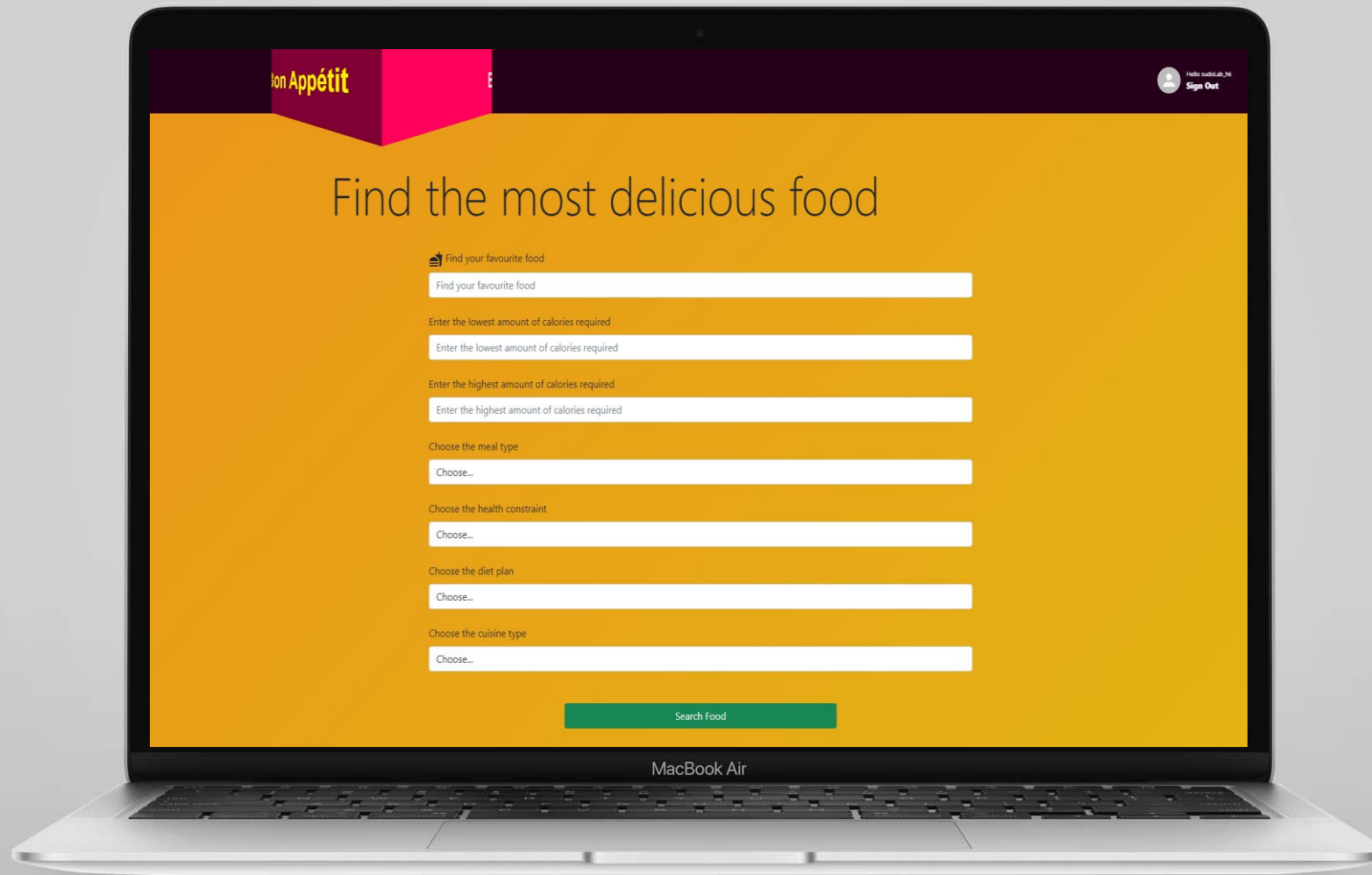
If you are  
new user  
click on  
Create  
Account



Else You  
can fill  
your  
credentials  
and Sign In

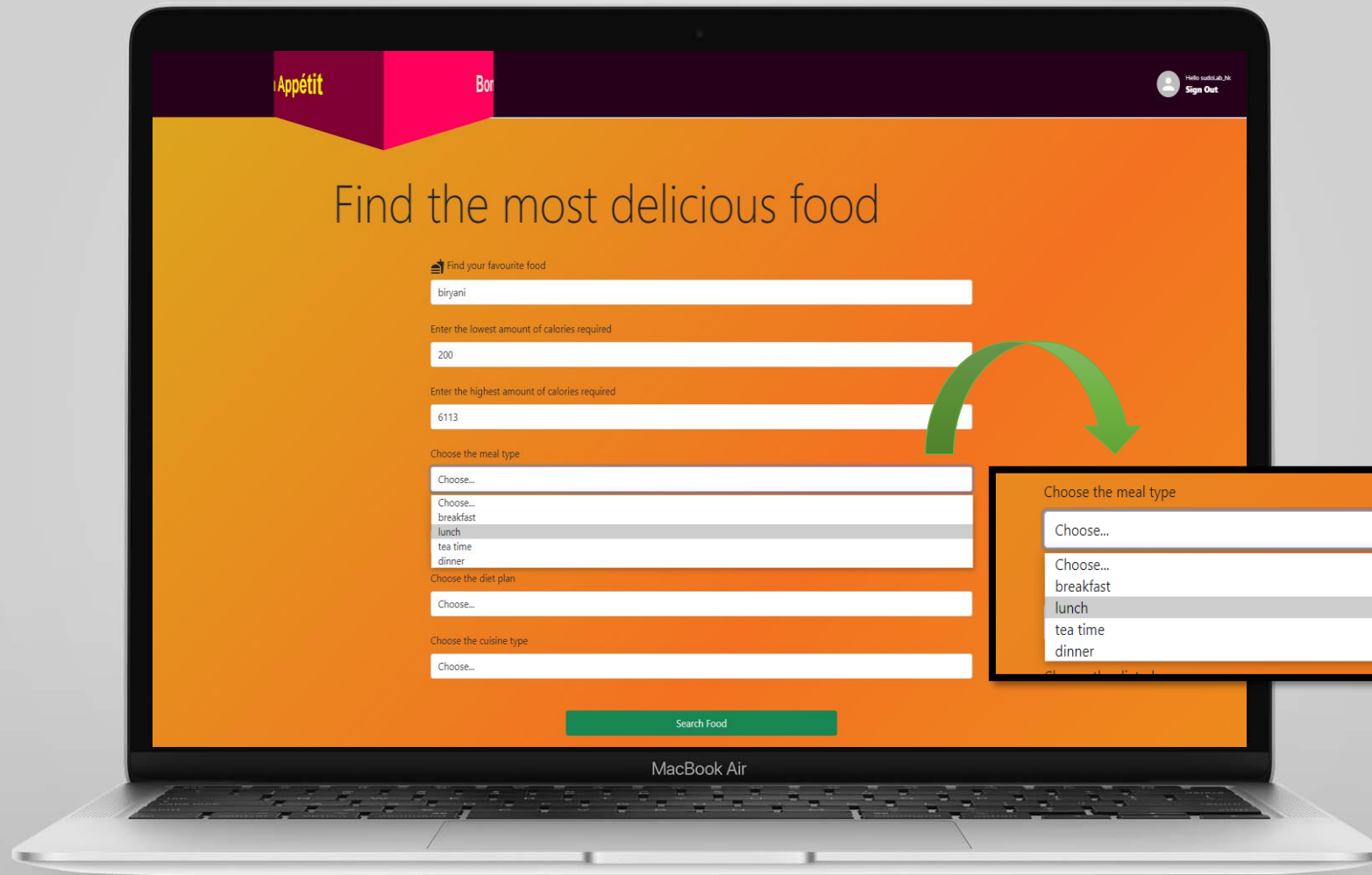


Now you  
Are logged  
In



Fill in the  
details  
about  
the food  
you want  
to eat

You can  
choose what  
kind of meal  
you want



Chose the  
health  
constraints  
to order  
healthy food

Bon Appétit

Find the most delicious food

Find your favourite food

biryani

Enter the lowest amount of calories required

200

Enter the highest amount of calories required

6113

Choose the meal type

lunch

Choose the health constraint

Choose...

Choose...

alcohol-free

immuno-supportive

celery-free

crustacean-free

dairy-free

fodmap-supportive

fish-free

gluten-free

Search Food

Choose the health constraint

Choose...

Choose...

alcohol-free

immuno-supportive

celery-free

crustacean-free

dairy-free

fodmap-supportive

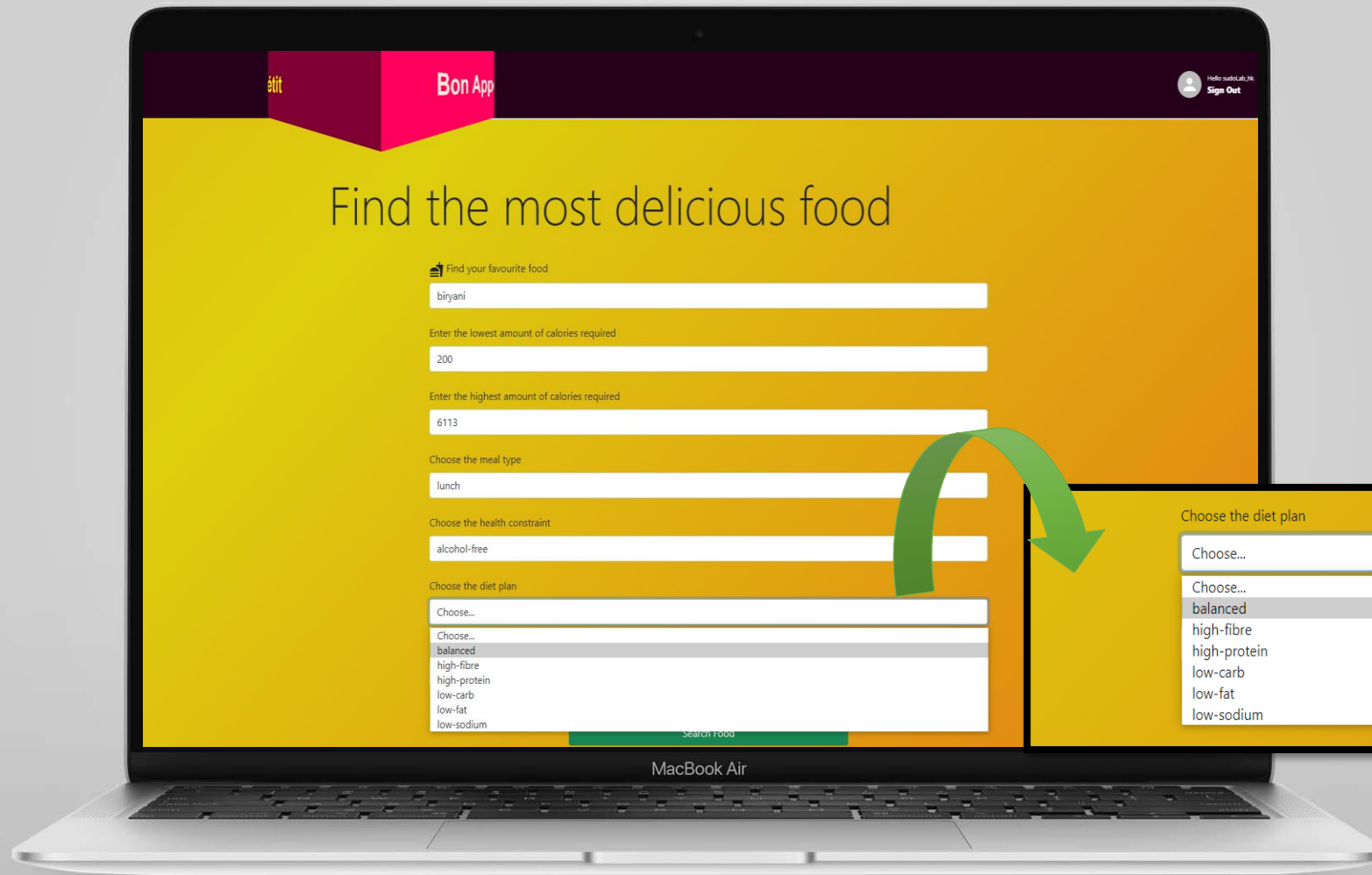
fish-free

gluten-free

Search Food



Chose the  
diet plan  
acc. to Need



Choose the diet plan

Choose...

Choose...

balanced

high-fibre

high-protein

low-carb

low-fat

low-sodium

Search Food

You can also  
select the  
cuisine type

The image shows a laptop screen with a web application titled "Bon Appétit". The application has a dark purple header with the logo and a "Sign Out" button. The main content area is orange and contains the text "Find the most delicious food". Below this, there is a form with several input fields and a dropdown menu. A green arrow points from the "Choose the health constraint" dropdown to a magnified view of the dropdown menu.

Find your favourite food

biryani

Enter the lowest amount of calories required

200

Enter the highest amount of calories required

6113

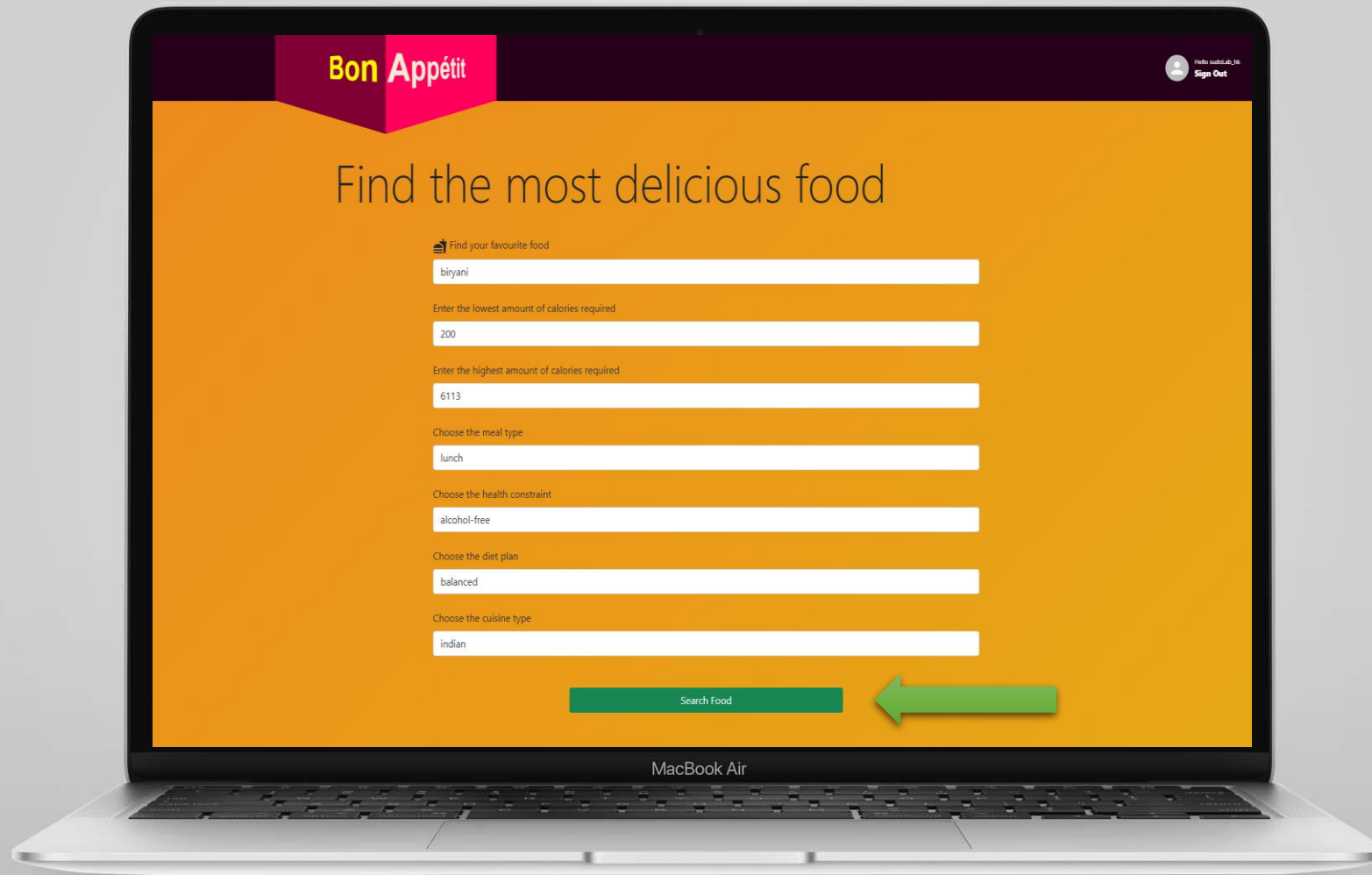
Choose the meal type

lunch

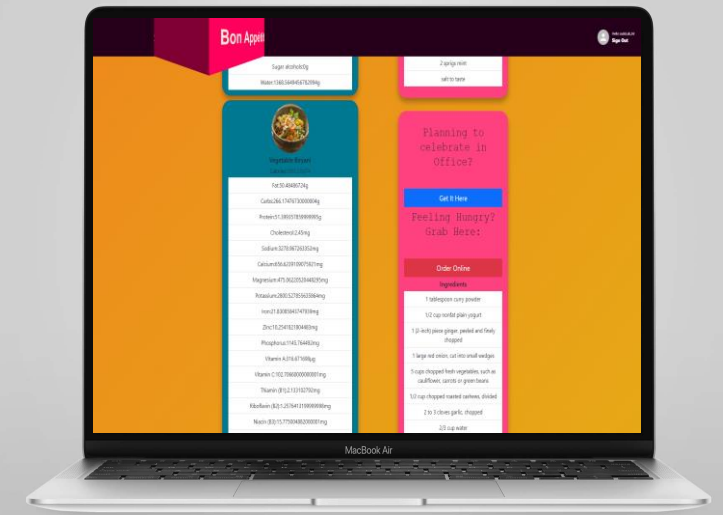
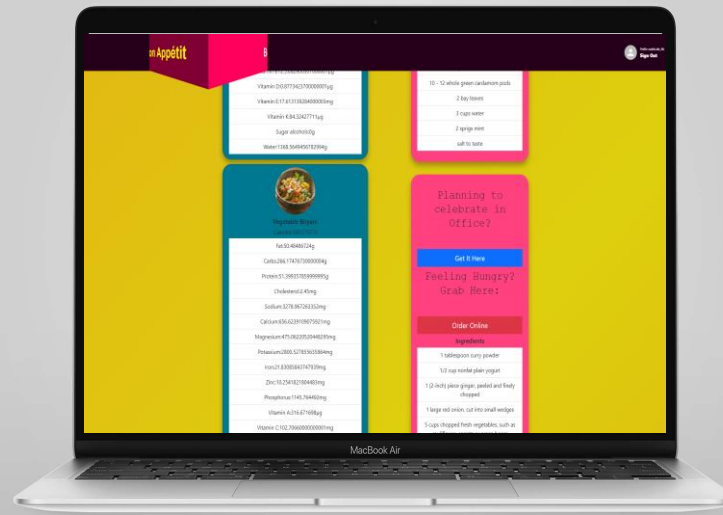
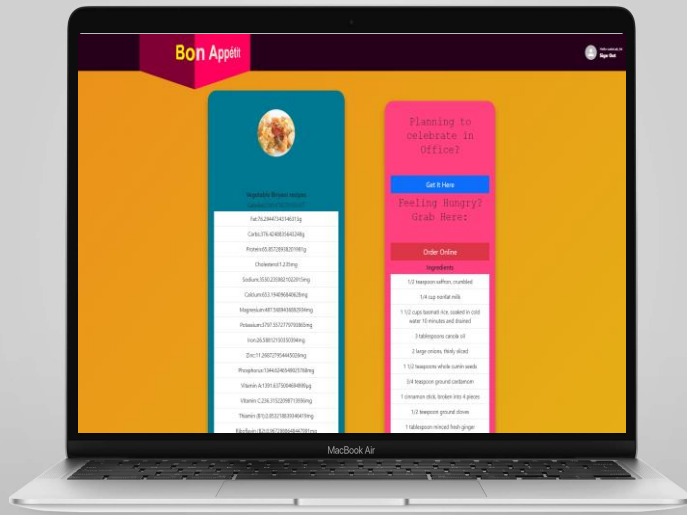
Choose the health constraint

alcohol-free  
Choose...  
indian  
american  
asian  
british  
eastern european  
italian  
Choose...

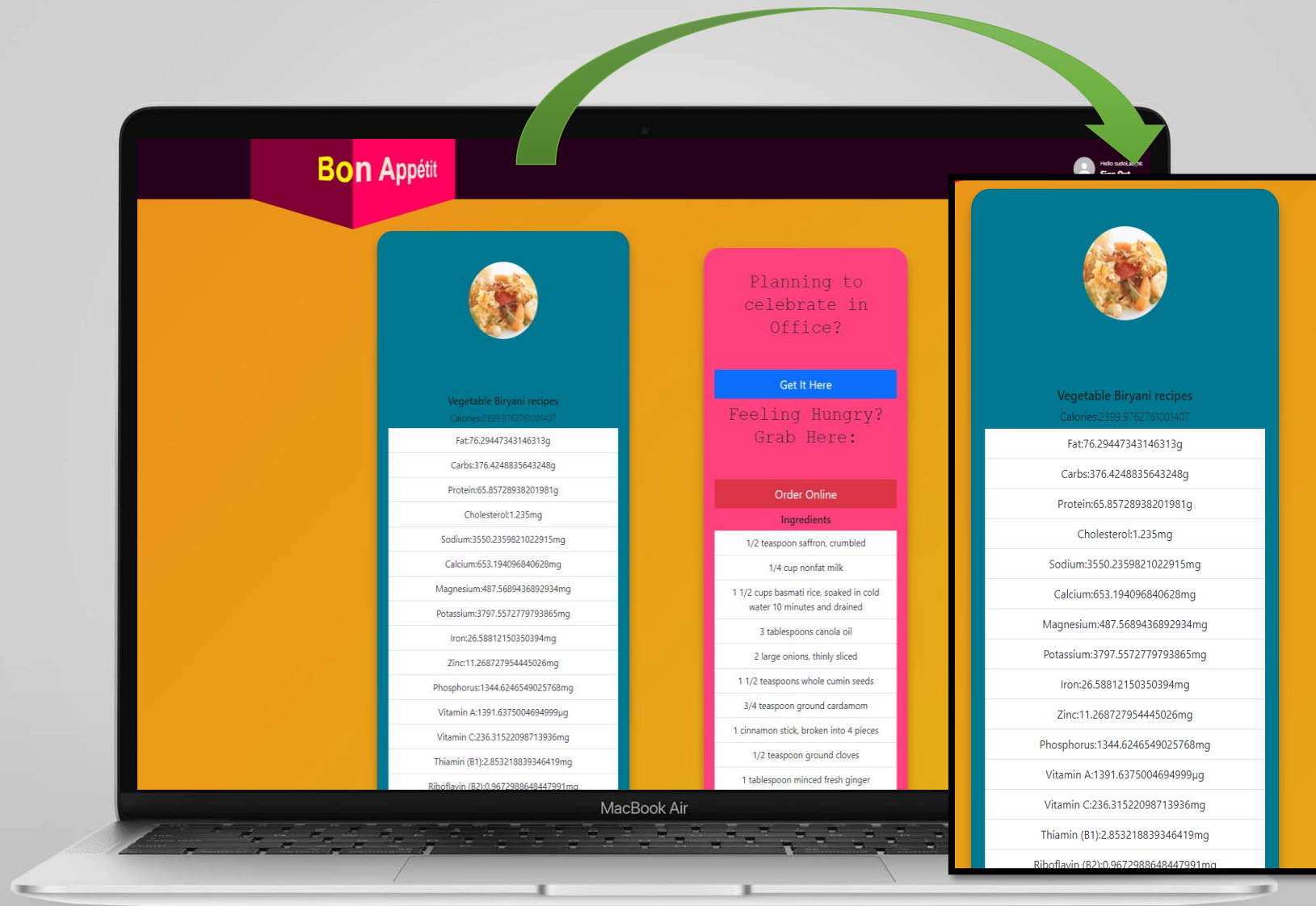
alcohol-free  
Choose...  
indian  
american  
asian  
british  
eastern european  
italian  
Choose...



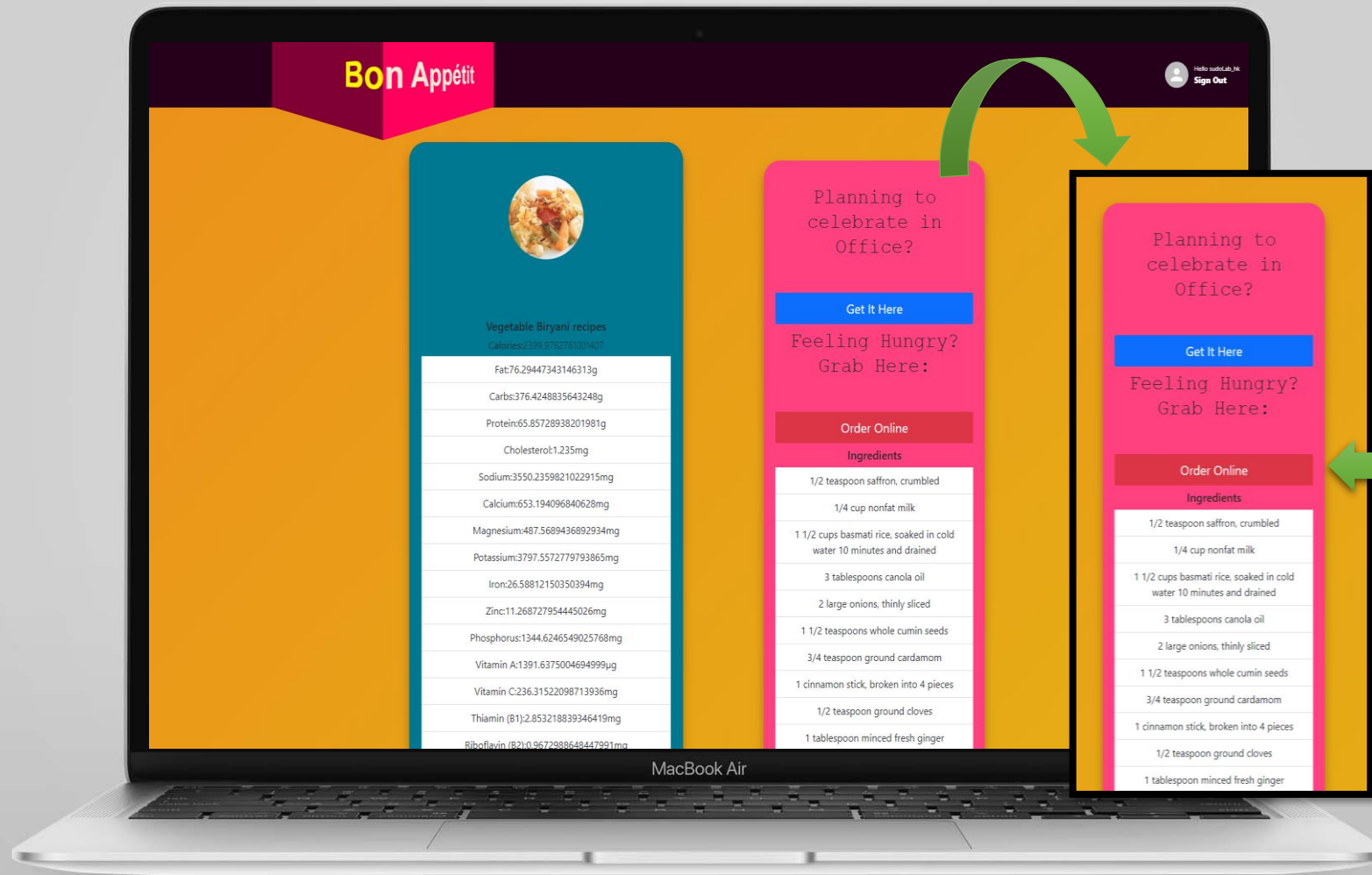
After That  
Click on  
**Submit**  
button  
to get  
results  
Acc. To your  
Preferences.



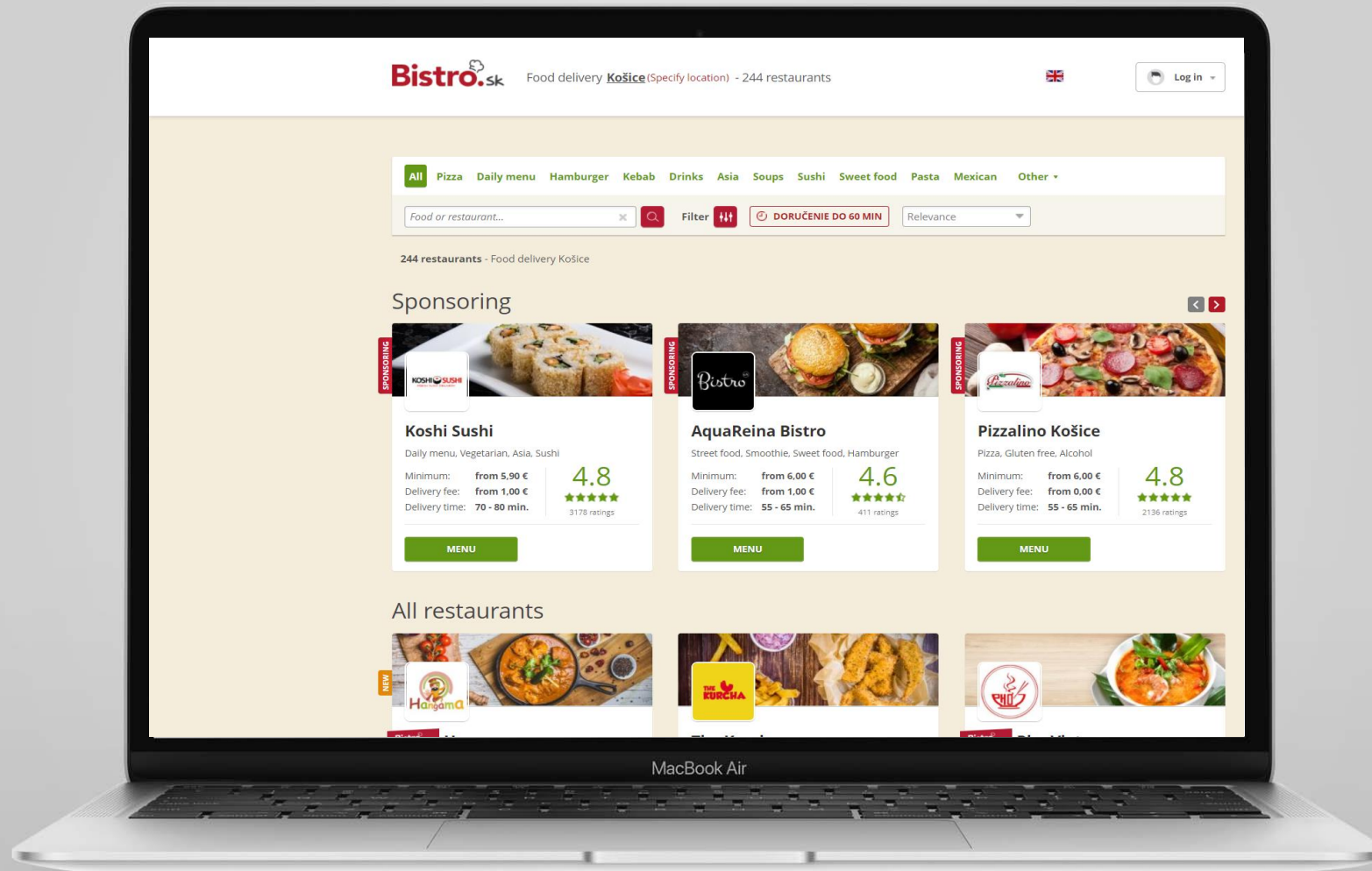
Get variety of results from Nearby Restaurants



Get the nutrients and ingredients details to choose which one suits your health and taste best.

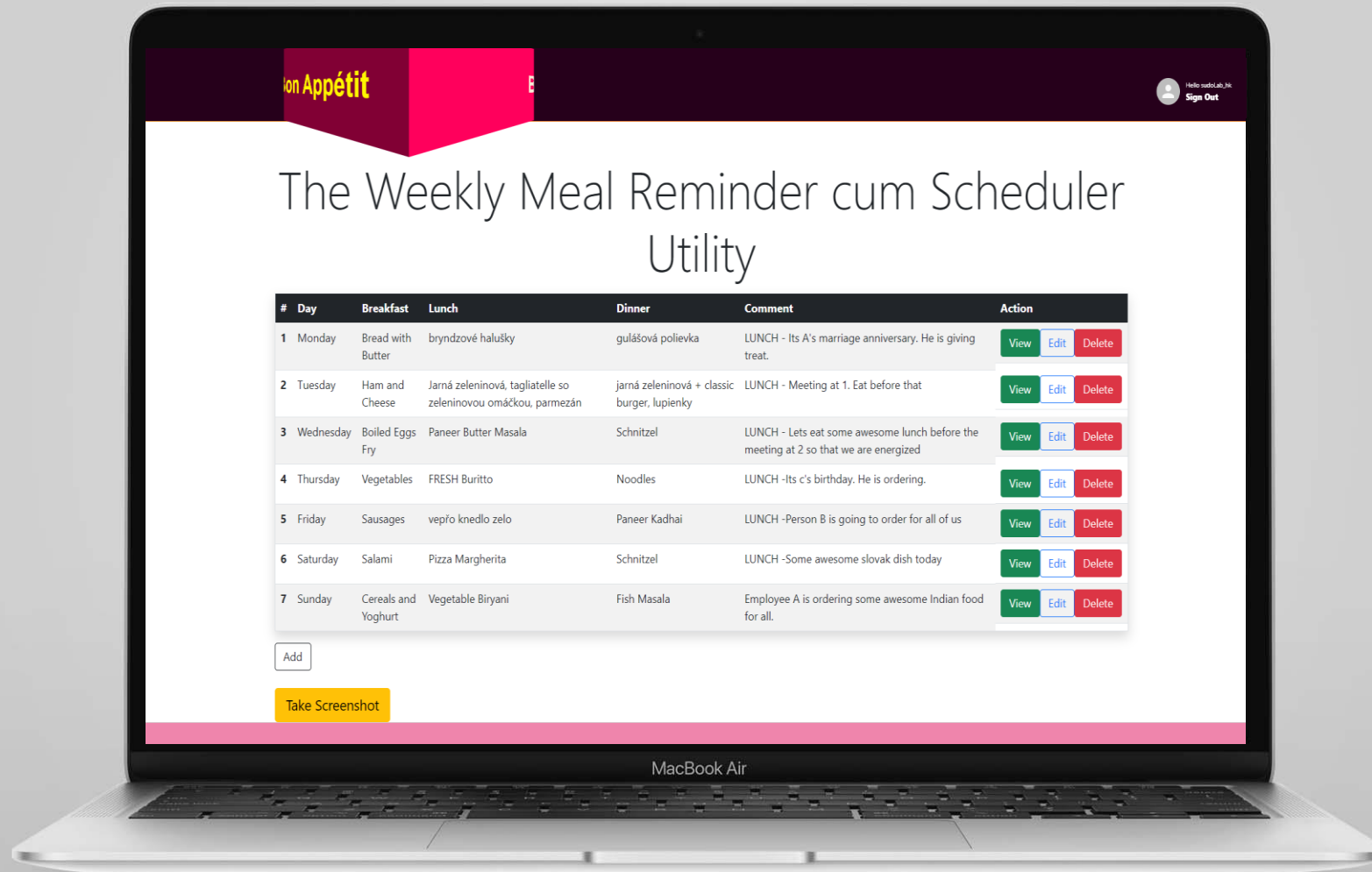


You can get  
the recipe  
if you want  
to create on  
your own.  
Or  
Order Online



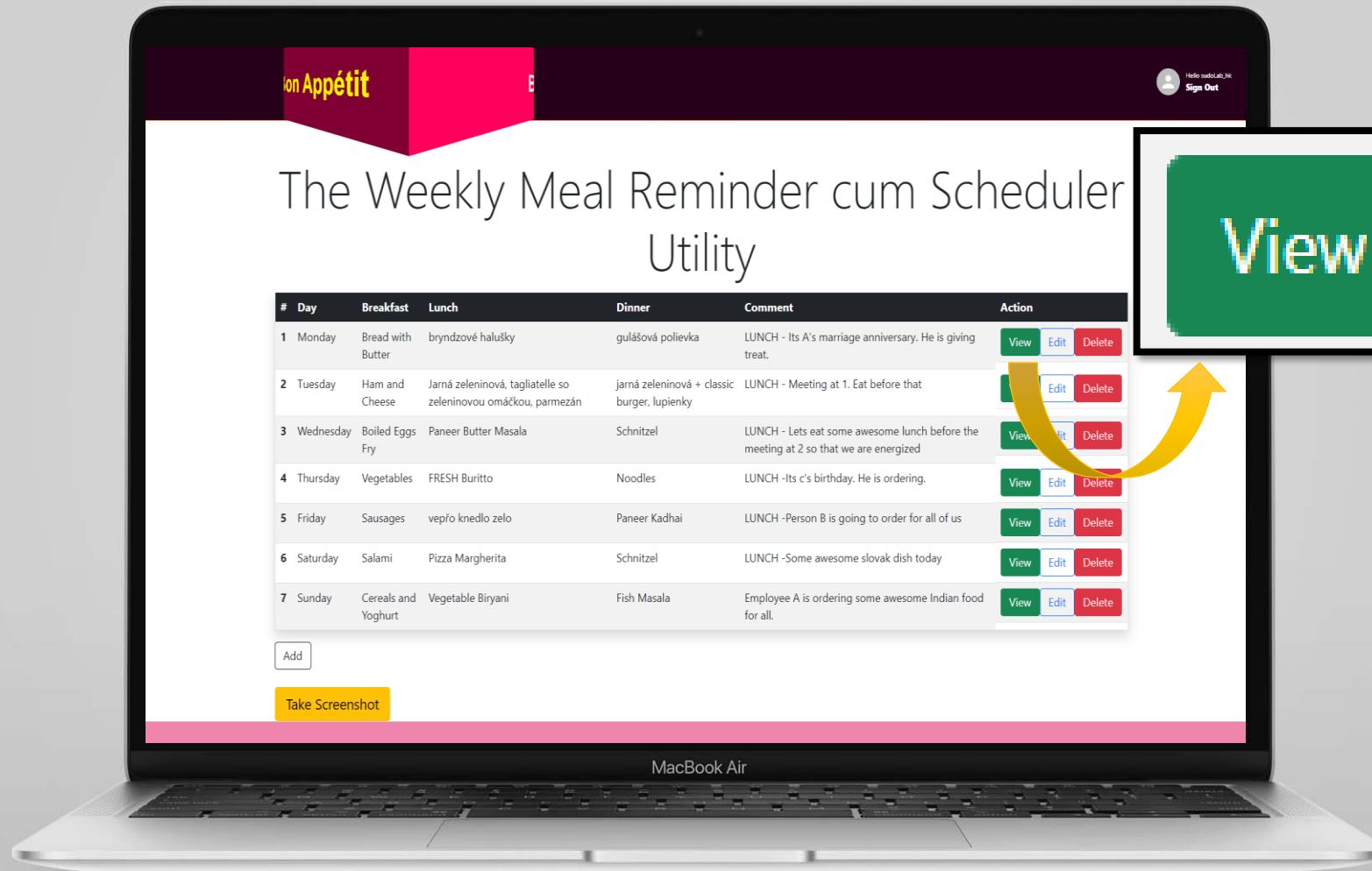
Get the food  
From any  
Pre existing  
Online food  
Delivery  
Service. Like  
Bistro, Zomato.





Using  
scheduler  
you can decide  
Who will order  
What and When





Click on view  
To see the  
Details  
Of Food.

Bon Appétit

3	Wednesday	Bon Appétit Fry
4	Thursday	Vegetables FRESH Buritto
5	Friday	Sausages vepřo knedlo zelo
6	Saturday	Salami Pizza Margherita
7	Sunday	Cereals and Vegetable Biryani Yoghurt

Add

Take Screenshot

Item Id: 1

Day of the week: Monday

Breakfast Dish: Bread with Butter

Lunch Dish: bryndzové halušky

Dinner Dish: gulášová polievka

comment: LUNCH - Its A's marriage anniversary. He is giving treat.

Take Screenshot

Item Id: 1

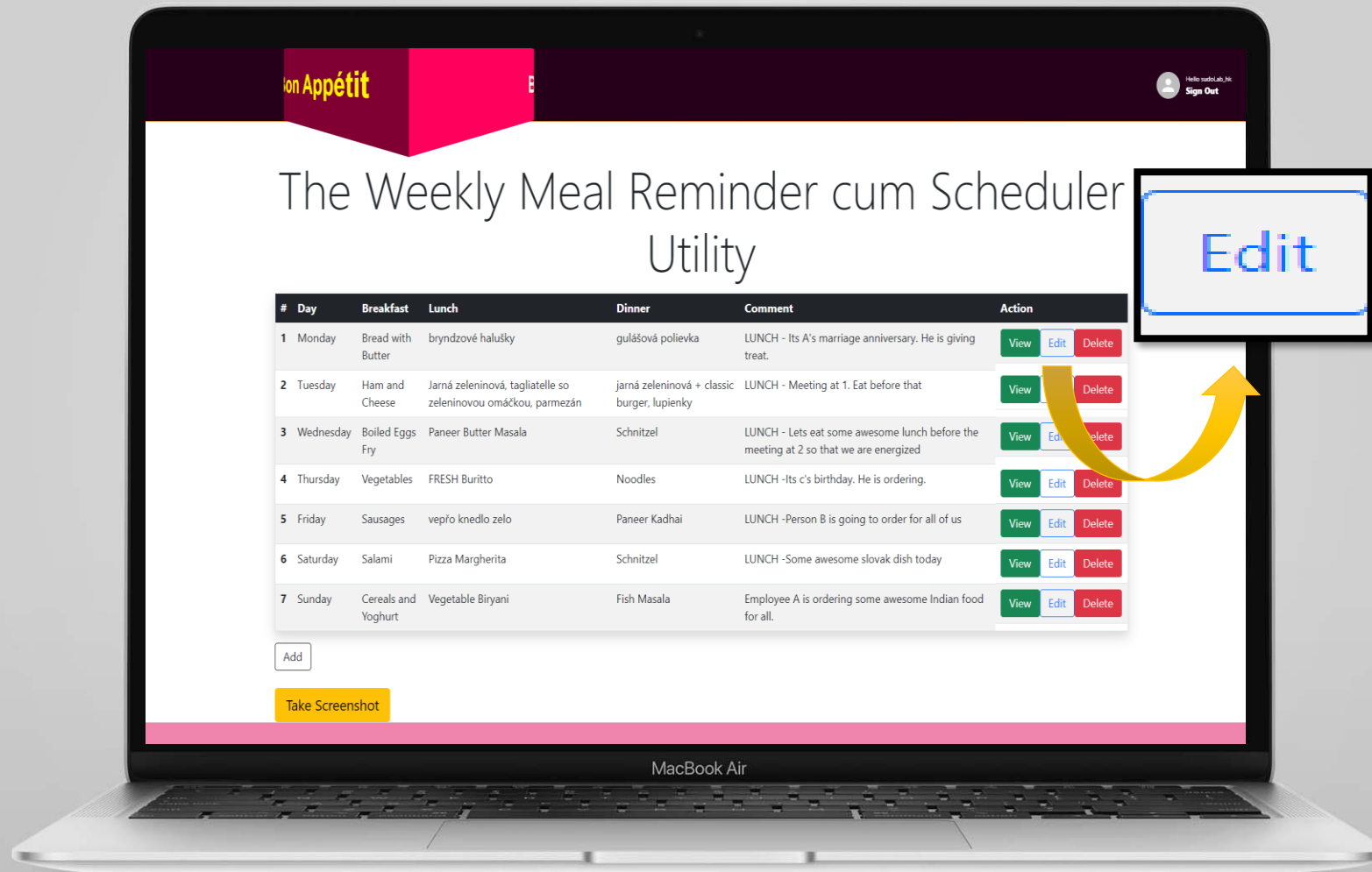
Day of the week: Monday

Breakfast Dish: Bread with Butter

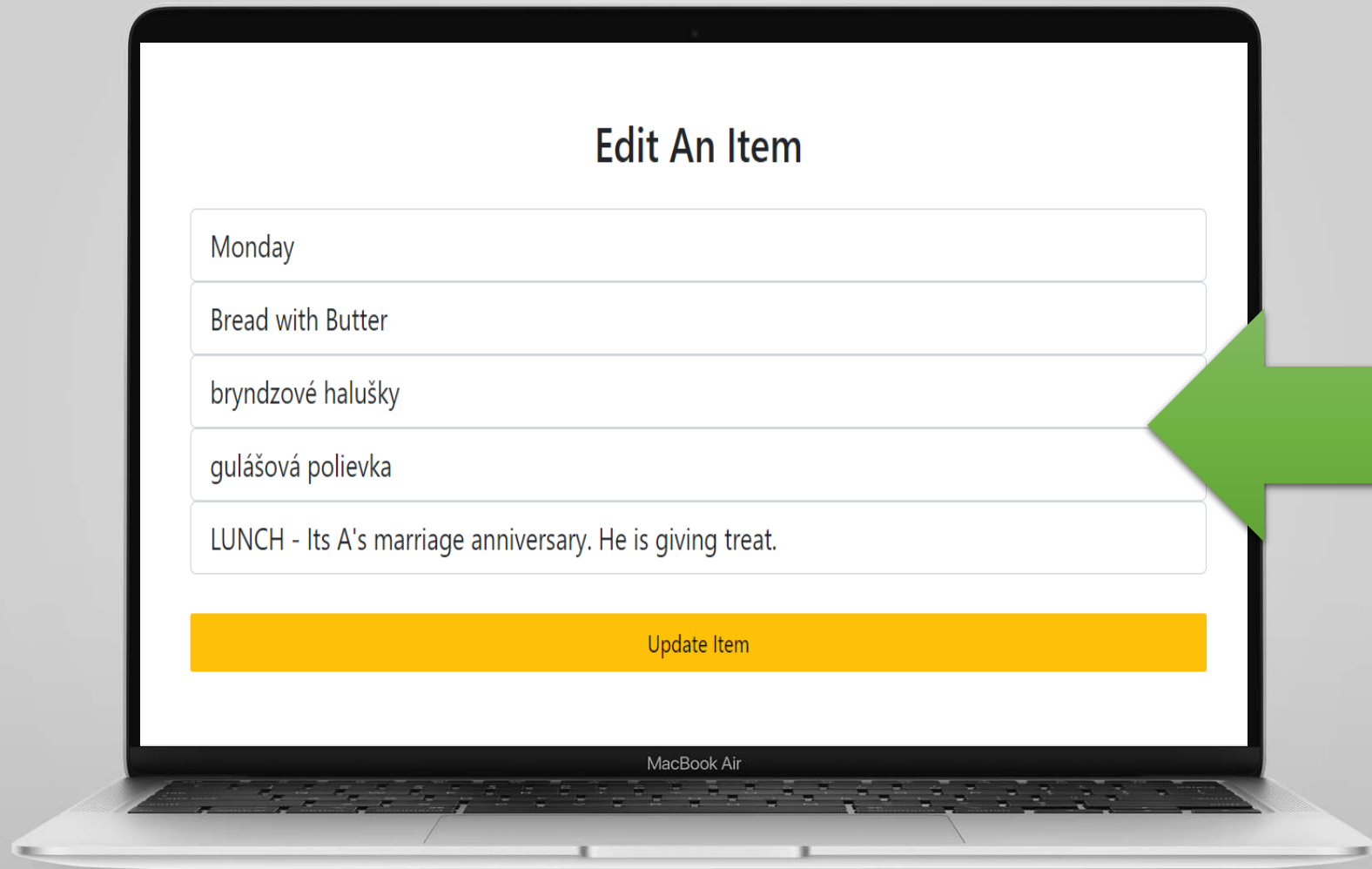
Lunch Dish: bryndzové halušky

Dinner Dish: gulášová polievka

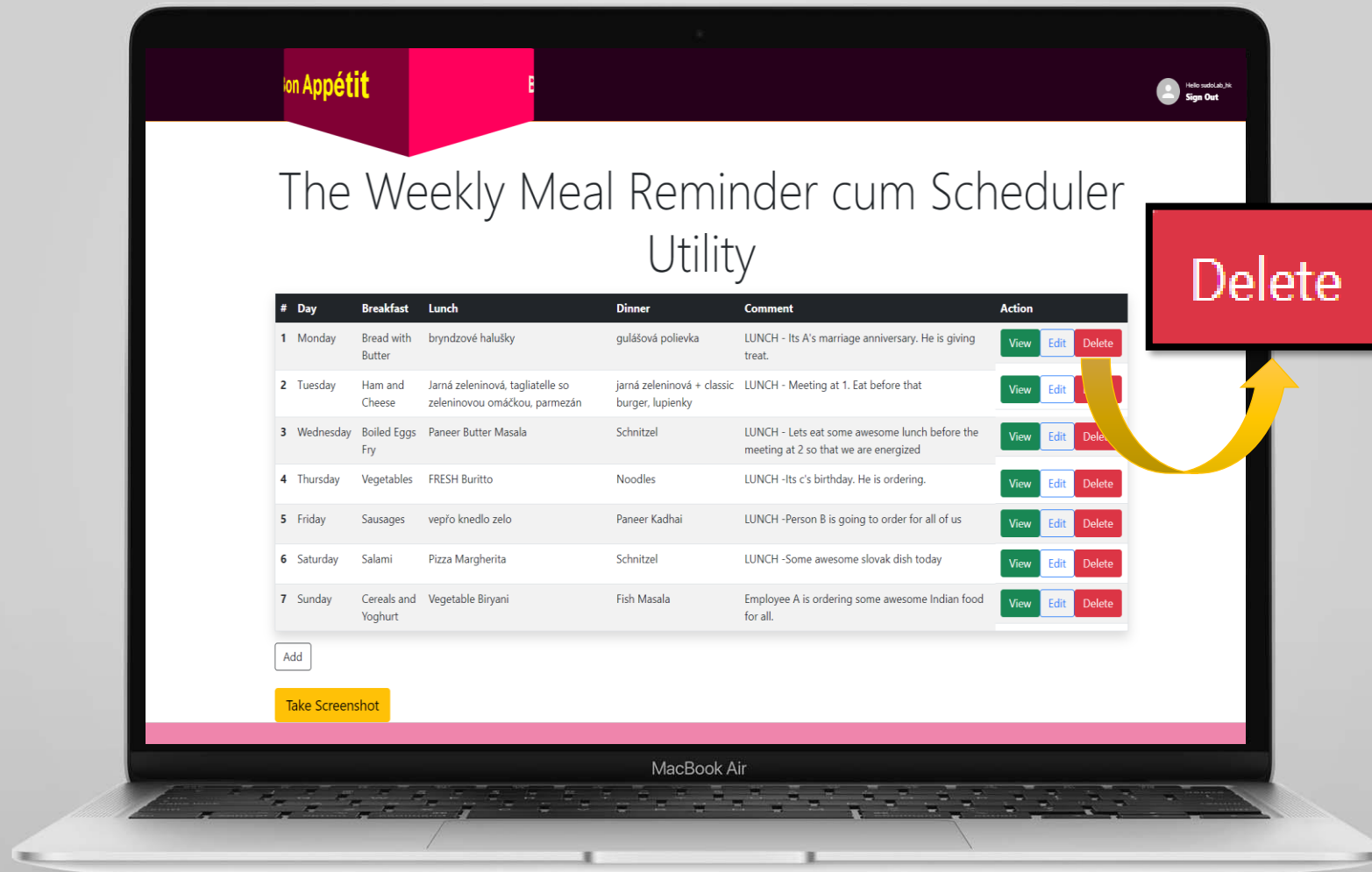
comment: LUNCH - Its A's marriage anniversary. He is giving treat.



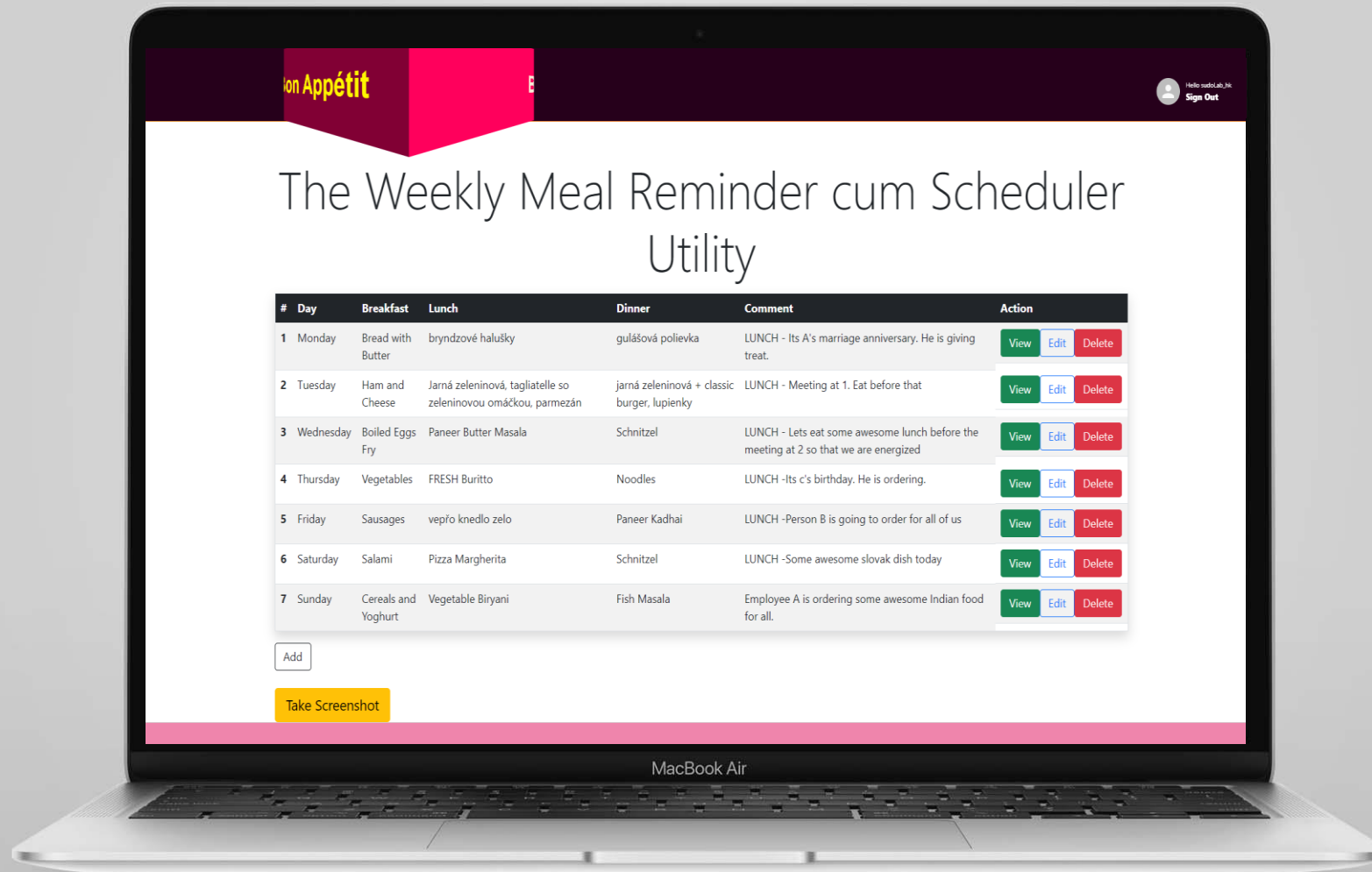
Click on Edit to Edit the details of food.



Edit and click on  
Update to Save  
the changes.


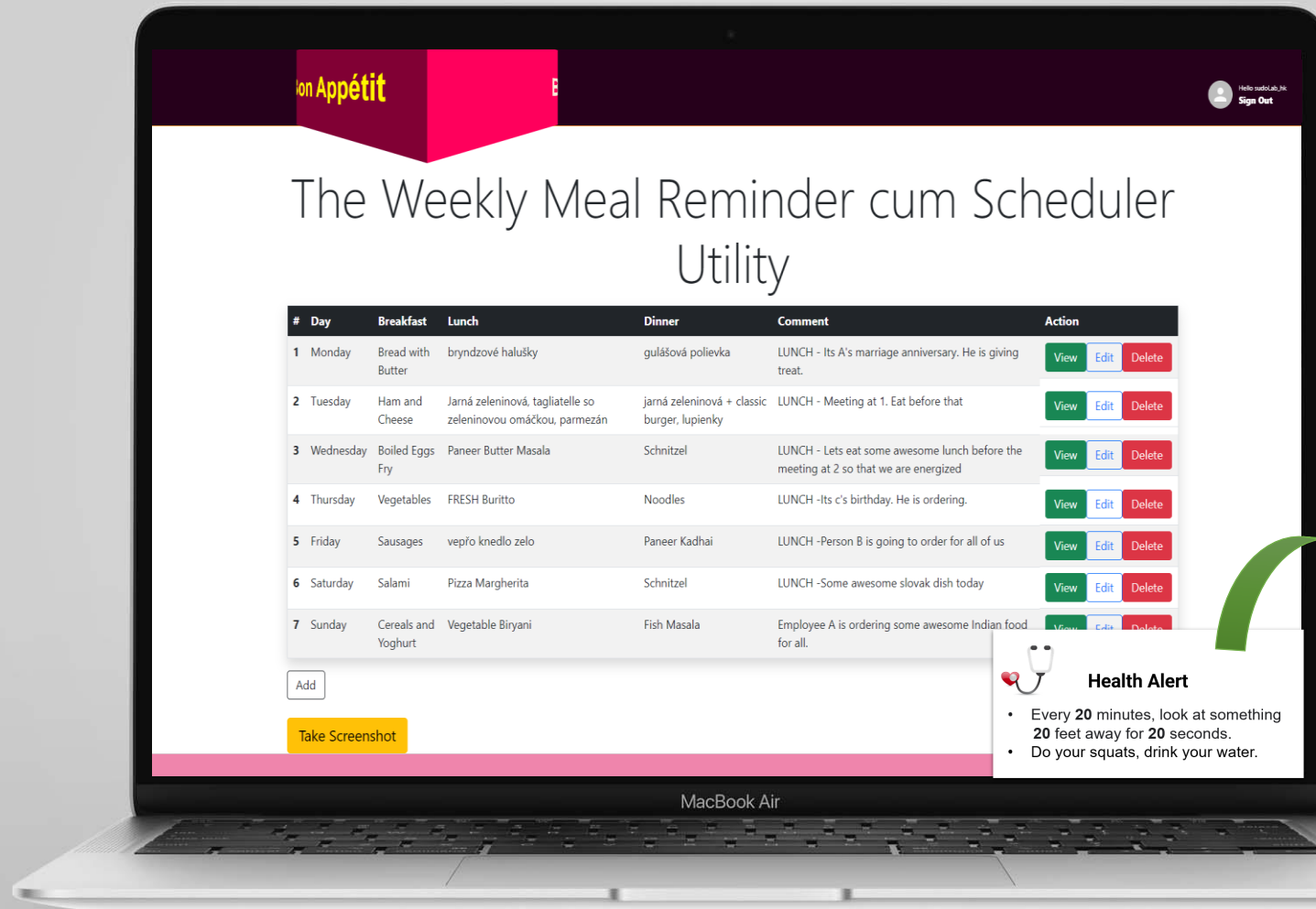


Click on Delete to completely change the meals on that day.



You can also  
Take a  
Screenshot  
once  
the menu is  
decided  
for a week.

Along with  
this, Health  
alert  
Notifications  
will also be  
given to ensure  
Healthy Life of  
Customer.



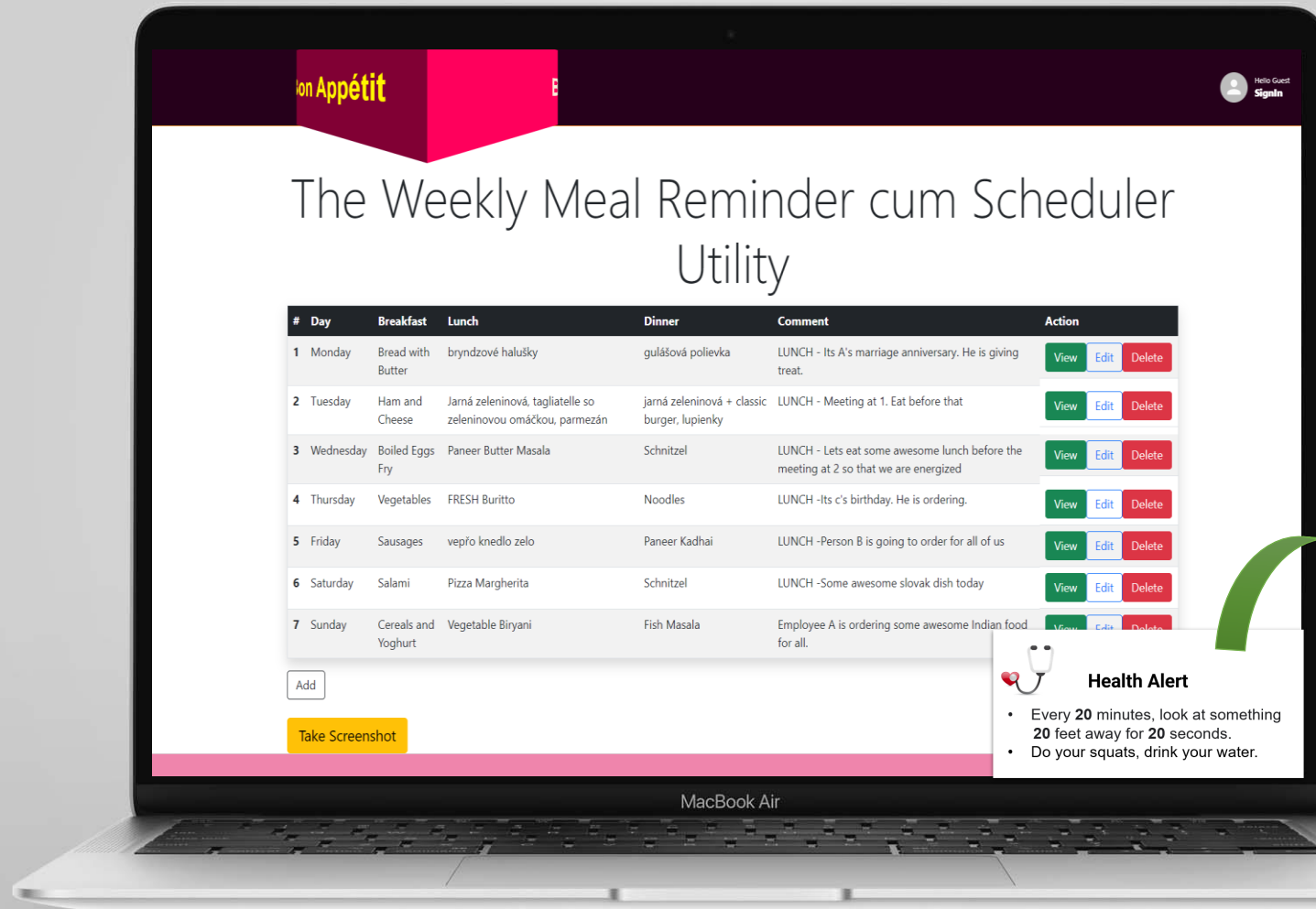
### Health Alert

- Every 20 minutes, look at something 20 feet away for 20 seconds.
- Do your squats, drink your water.

**Let's first talk about the challenges and what could be done then we will talk about the programming solutions that we have proposed.**

- 1. Take a walk:** 40 min **X** 3 times a week = brain growth + better health
- 2. Start a daily walk group:** At a specific time form a group that would get together and go for a 20-minute walk somewhere. Also a daily walk group increases productivity
- 3. Protect your eyes:** Follow the “20/20/20 rule” to prevent focus fatigue and eye lockup. After every 20 minutes, look at something 20 feet away, for 20 seconds. This saves us from dry eyes.
- 4. Take a healthy diet:** Healthy diet is very crucial for our health. Cut the caffeine levels. Drink Fruit Juice and take healthy diet. Your group can also go ahead and plan the weeks meal and we will come up with automated reminders and lucrative diet plan and schedule.
- 5. Drink More Water:** We need to stay hydrated; and staying healthy is key to keeping our energy levels up, maintaining a good mood, and accomplishing our goal. So if you are so engrossed in developing some awesome apps and things, our programming utilities can come to your rescue.





We have come up with a notification system that will remind you to **Drink Water**, follow the **20-20-20 rule** and **stretch out** a little bit every twenty minutes



#### Health Alert

- Every **20** minutes, look at something **20** feet away for **20** seconds.
- Do your squats, drink your water.



#### Health Alert

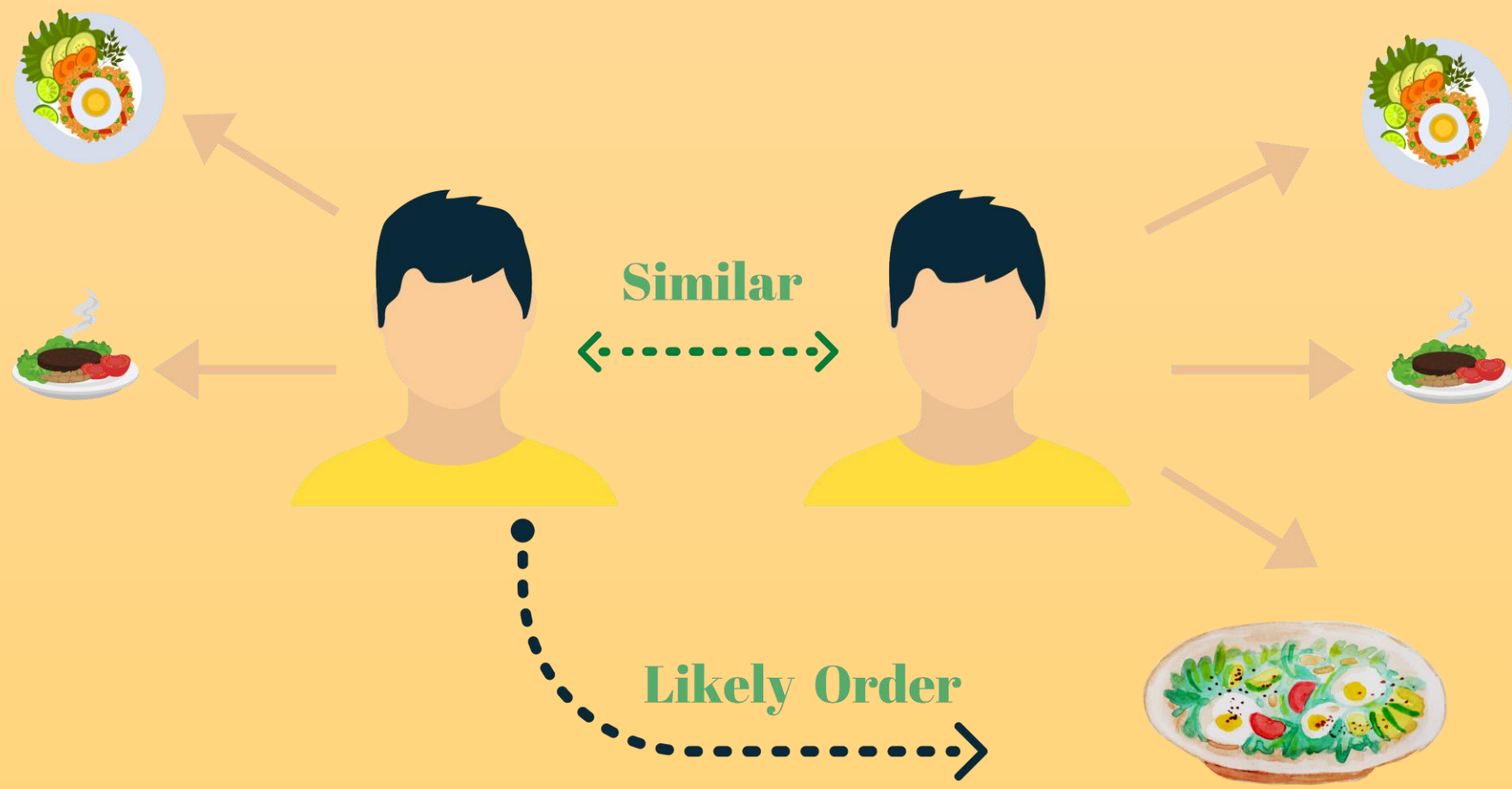
- Every **20** minutes, look at something **20** feet away for **20** seconds.
- Do your squats, drink your water.

# Wondering what this data could do?

#	Day	Breakfast	Lunch	Dinner	Comment	Action
1	Monday	Bread with Butter	bryndzové halušky	gulášová polievka	LUNCH - Its A's marriage anniversary. He is giving treat.	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
2	Tuesday	Ham and Cheese	Jarná zeleninová, tagliatelle so zeleninovou omáčkou, parmezán	jarná zeleninová + classic burger, lupienky	LUNCH - Meeting at 1. Eat before that	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
3	Wednesday	Boiled Eggs Fry	Paneer Butter Masala	Schnitzel	LUNCH - Lets eat some awesome lunch before the meeting at 2 so that we are energized	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
4	Thursday	Vegetables	FRESH Buritto	Noodles	LUNCH -Its c's birthday. He is ordering.	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
5	Friday	Sausages	vepřo knedlo zelo	Paneer Kadhai	LUNCH -Person B is going to order for all of us	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
6	Saturday	Salami	Pizza Margherita	Schnitzel	LUNCH -Some awesome slovak dish today	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
7	Sunday	Cereals and Yoghurt	Vegetable Biryani	Fish Masala	Employee A is ordering some awesome Indian food for all.	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

Add

Let's say employee A eats an item dish d very frequently. Another employee B also eats very frequently that item d and a few other dishes. Now if our system gets to know the degree of similarities of their taste needs and if it is very similar so the next time if employee A orders some dish and likes it, Employee B would also very likely like that. All this can be simply inferred by the collaborative filtering- based recommendation model.



**Let's take a look at the aspects of it:**

1. It should be able to measure the similarity between the lunch needs of the employees.
2. Use cosine similarity to measure the similarity between a pair of vectors.
3. Use the model to identify similar taste needs and recommend dishes.

## **The Approach would be to:**

1. Create a similarity matrix
2. Then recommend items using KNN
3. Finally sort the items

One could also use the Pearson correlation which is a more modified version. Basically sky is the limit here.

THANK YOU