

# Nutrihome (Automated Restaurant)

## User Manual



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# Acknowledgements

- ❖ To the Almighty, who helped me accomplish this AIIP project.
- ❖ To my parents and grandparents for encouraging, motivating and standing by me always.
- ❖ To my mentors (Ms. Shivani, Ms. Smita, Ms. Shiksha, Mr. Avishek, Mr. Prateek) for enriching me with their endless knowledge.
- ❖ A special mention to Mr. Ken for being a guiding light.
- ❖ Thank you to Mr. Javed Rizvi for being a fantastic teacher.
- ❖ To everyone who made this possible, thank you from the bottom of my heart.

# About Me..



**"DIFFERENTLY DESIGNED FOR  
READING PLEASURE!"**

OUT NOW  
ON ALL  
AMAZON  
WEBSITES!  
GRAB YOUR  
COPY NOW!

11-year old author and  
poetess- Sajini Varadharajan  
has published 7 story books  
and 2 poem books.

Copies  
available  
with me as  
well!





# About My Internship Journey with Clevered..



My Rockstar Badge for Timely Submission



My Spotlight Award



My Rockstar Badge for Wonderful Efforts for Project Completion



My Rockstar Badge for Attentiveness

The mentorship sessions are very informative and educates me to move forward with my project development.

I was able to explore the World of AI with hands-on-learning experience every week.

The opportunity to intern under Mr. Ken is one of the best opportunities I have got so far. I expect to learn a lot and explore the world of AI in a better perspective under his valuable guidance.

Shivani Ma'am has been a guiding light and a friendly and patient mentor. Through her words of encouragement and suggestions, she motivates me to discover and learn more and more new things.



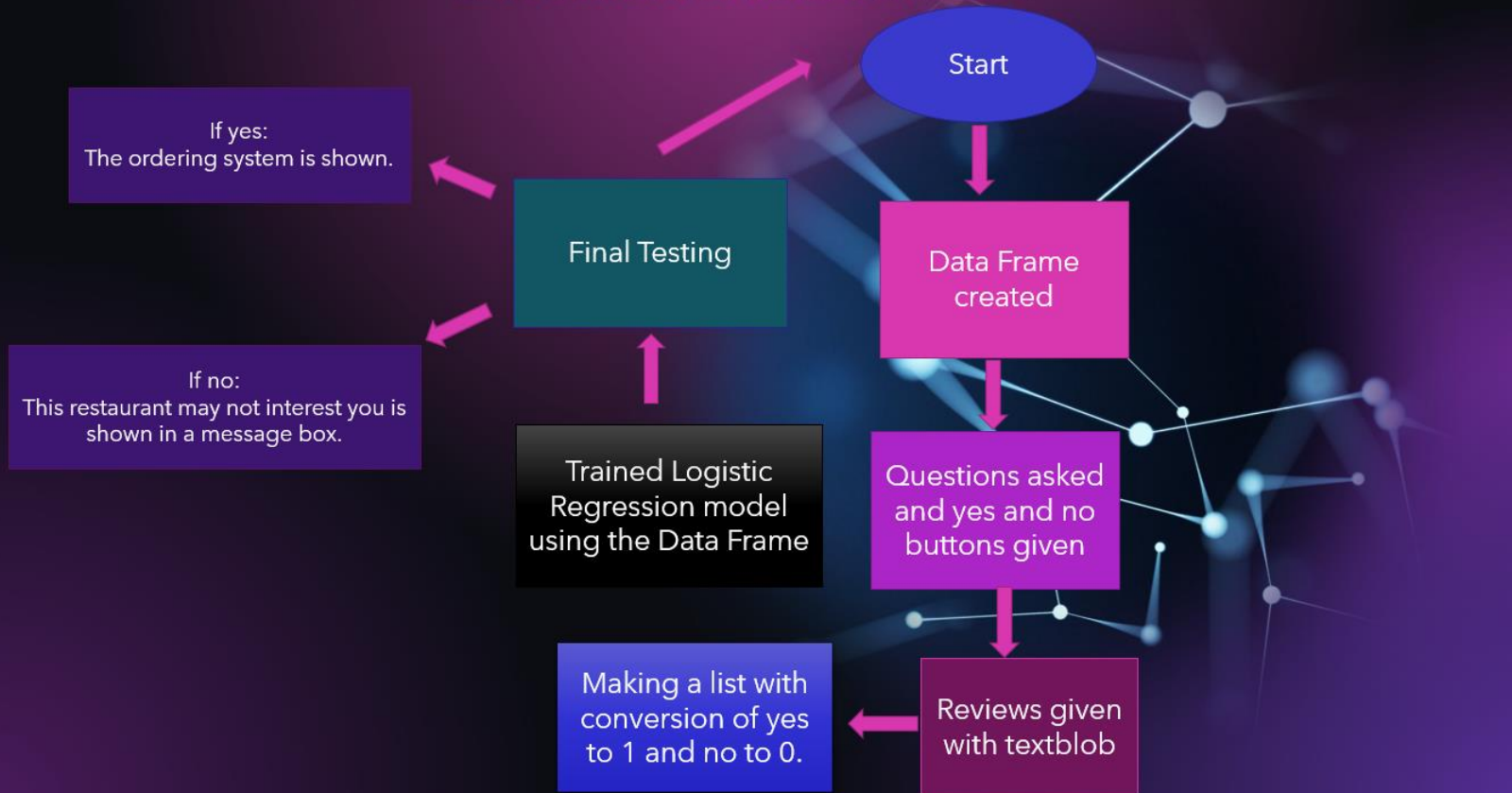
# About Nutrihome..

- My aim is to create an automated restaurant, Nutrihome. It is a restaurant that serves the most healthy and delicious food.
- The people are always welcomed with a wide variety of choices and are offered a delectable meal.
- It includes server bots, online ordering systems, survey bots, a feedback chatbot and a speech emotion detection app.



# How do I use the App?

## SENTIMENT ANALYSIS APP



- ✓ Once the questions are asked, the user needs to input his/her answers.
- ✓ The Sentiment Analysis App will let the user know whether the user is interested in the restaurant or not.
- ✓ On the basis of the interaction, the computer will decide.



# How do I use the App?

## TKINTER ONLINE ORDERING SYSTEM

This will appear as a label.

All of these will appear as buttons. When these buttons are clicked, the quantity will be asked.

THE MOST NUTRITIOUS RESTAURANT IN TOWN INDULGE GUILT FREE

### NUTRIHOME

**AMAZING APPETIZERS – SOUPS (AED 25 EACH)**

- Crazy Corn Soup
- Moong Dal Soup
- Tangy Tomato Soup
- Lovable Lemon Coriander Soup
- Lentil Vegetable Soup

**SALADS (MADE TO ORDER) (AED 45 EACH)**

- Tasty Tomato and Onion Salad
- Celestial Cucumber and Broccoli Salad
- Spinach Quinoa Salad
- Vegassionate (Chef's special) Salad

**STARTERS (ALL BAKED, OIL FREE) (AED 40 EACH)**

- Alphabet Fritters
- Emoji Manchurian
- Harry Potter Crisps

**MAIN COURSE (AED 55 EACH)**

- Zucchini Pasta (Gluten Free, Low Fat, Vegan)
- Zucchini Noodles (Gluten Free, Low Fat, Vegan)
- Roasted Cauliflower Pizza (The base is cauliflower!)
- Mushroom Quinoa Burger (Filled with walnuts too!)
- Grilled Tofu Sandwich (Low Fat, Vegan)
- Vegetable Burritos (Packed with kidney beans)
- Tomato Risotto (Perfect dish for healthy people)
- Dal Risotto (A balanced meal)
- Curd Risotto (with pomegranates and grated carrots)

**HEALTHY DESSERTS (AED 35 EACH)**

- Oat Cookies
- Apple Nachos
- Chia Pudding
- Banana Pops
- Dark Chocolate Strawberry Cubes
- Still and Sparkling Water

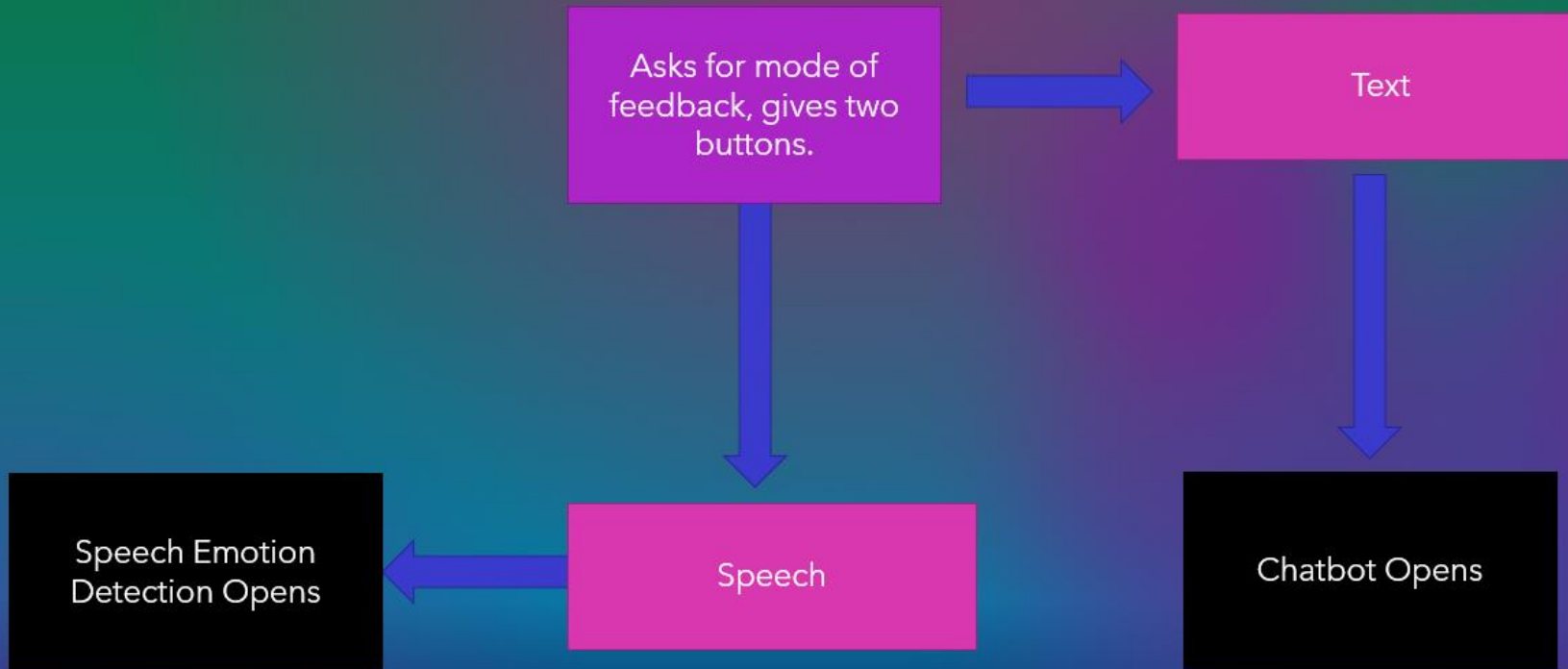
Once each part of the order is done, a done button will be there and money will be calculated. Finally, it will be totaled.

This is the main online ordering system where the user can order whatever items he/she wants and can pay the bill.



# How do I use the App?

## MODE OF FEEDBACK



Here, the user can choose his/her mode of feedback.

# How do I use the App?

## CONVERSATIONAL TALKING CHATBOT

```
q1=input("Did you like the  
food in the restaurant? ")  
q2=input("Was Nutrihome  
user-friendly?")  
q3=input("Will you  
recommend Nutrihome to  
people?")  
q4=input("Will you visit  
this restaurant again? ")
```

Questions as  
input

```
q5=input("Any other feedback for improvement? ")
```

Additional  
Feedback asked

```
print("Thank you for your valuable  
feedback.")
```

Thank you

In case the user wishes to give his/her feedback by typing, he/she can use this chatbot and give answers to questions.

# How do I use the App?

## SPEECH EMOTION DETECTION APP

```
q1=input("Hi. ")  
q2=input("Did you like the  
food in the restaurant? ")  
q3=input("How were the  
automated services, were  
they user-friendly? ")  
q4=input("Will you  
recommend this restaurant  
to your friends and  
relatives? ")  
q5=input("Will you visit  
this restaurant again? ")
```

```
print("Your valuable feedback is highly  
appreciated. Thank you.")
```

Computer asks to  
share feedback.

User says  
something

Computer detects  
emotion and says  
thank you

```
q6=input("In case you have written 'no' to any of  
these questions, could you please mention the  
reason? Any other feedback for improvement? ")
```

In case the user wishes to give his/her feedback by speaking, he/she can use speech emotion detection app where the computer will take in the emotions based on the given answers to questions.



# Sentiment Analysis App

Sentiment Analysis App

Hello! Welcome to Nutrihome Sentiment Analysis App! I am your assistant, Sajini. Let's find out whether Nutrihome Restaurant interests you.

Do you enjoy healthy food?

Are you looking for a delectable meal, yet gluten-free and less calories?

Are you looking to indulge in guilt-free food in an automated environment (server bots and click-to-order)?

If 90% of customers have rated the restaurant as outstanding, are you tempted to visit us?

Please click on the cross button in the reviews window to continue taking the survey.

Reviews

Tweets	Scores	Labels
Happiness Quotient	0.7	positive
Lovely food	0.5	positive
Amazing Automation	0.6000000000000001	positive
Superb Service	1.0	positive
Adorable Ambience	0.5	positive
Awesome Overall	0.5	positive

The user has to click on yes/no for the questionnaire in order to proceed to the ordering system and can also click on the reviews button to see some reviews about the restaurant.

# Tkinter Online Ordering App

Nutrihome Ordering System

Please click on all the items but mention the quantity.

**Amazing Appetizers - Soups**

Price: AED 25 each.

Crazy Corn Soup Quantity:

Moong Dal Soup Quantity:

Tangy Tomato Soup Quantity:

Lovable Lemon Coriander Soup Quantity:

Lentil Vegetable Soup Quantity:

**Salads - Made to Order**

Price: AED 45 each.

Tasty Tomato and Onion Salad Quantity:

Celestial Cucumber and Broccoli Salad Quantity:

Spinach Quinoa Salad Quantity:

Vegassionate Salad (Full of Vegetables) Quantity:

**Starters - All Baked, Oil Free**

Price: AED 40 each.

Alphabet Fritters Quantity:

Emoji Manchurian Quantity:

Harry Potter Crisps Quantity:

**Main Course**

Price: AED 55 each.

Zucchini Pasta Quantity:

Zucchini Noodles Quantity:

Roasted Cauliflower Pizza Quantity:

Mushroom Quinoa Burger Quantity:

Grilled Tofu Sandwich Quantity:

Vegetable Burritos Quantity:

Tomato Risotto Quantity:

Dal Risotto Quantity:

Curd Risotto Quantity:

Please click on all the light green buttons even if you have not ordered the item.

**Total cost of soups** 0 AED

**Total cost of salads** 0 AED

**Total cost of starters** 0 AED

**Total cost of main course** 0 AED

**Total cost of dessert** 0 AED

**Healthy Desserts**

Price: AED 35 each.

Oat Cookies Quantity:

Apple Nachos Quantity:

Chia Pudding Quantity:

Banana Pops Quantity:

Dark Chocolate Strawberry Cubes Quantity:

Still and Sparkling Water Quantity:

**Final bill**

Your final bill is: 0 AED

**Done and proceed to checkout**

Please pay by card.

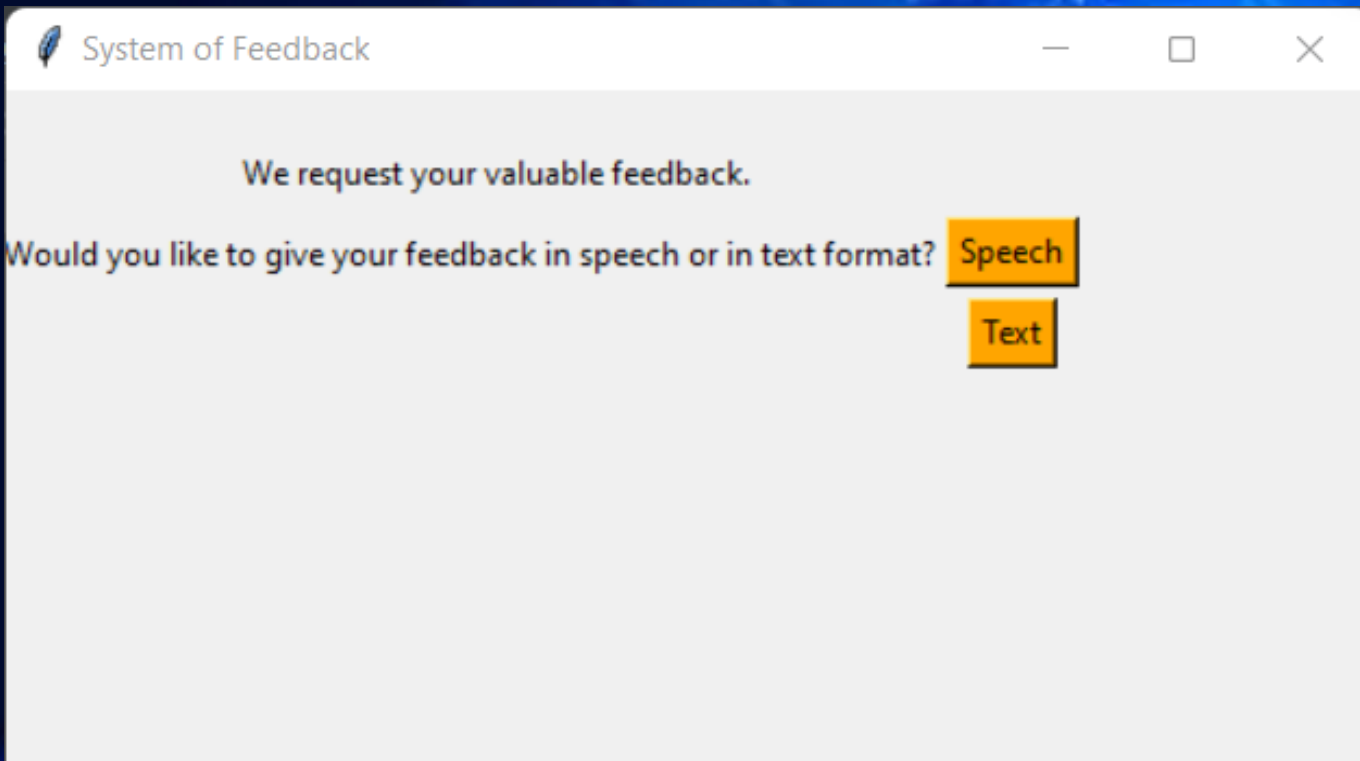
**Click once you have paid.**

Thank you for ordering.

The user is required to order and click on each of the options.

## Choice of Mode of Feedback

The user  
can  
choose  
how to  
give  
his/her  
feedback.



A screenshot of a software window titled "System of Feedback". The window has a standard title bar with a feather icon, a minus sign, a maximize button, and a close button. The main content area is light gray and contains the text "We request your valuable feedback." followed by the question "Would you like to give your feedback in speech or in text format?". Below the question are two yellow buttons with black borders: "Speech" and "Text".



# Conversational Talking Chatbot

Conversational Talking Chatbot


Welcome to Nutrihome's Conversational Talking Feedback Chatbot.

Did you like the food in the restaurant?	<input type="text" value="Y"/>
Was Nutrihome user-friendly?	<input type="text" value="Y"/>
Will you recommend Nutrihome to people?	<input type="text" value="Y"/>
Will you visit this restaurant again?	<input type="text" value="Y"/>
Any other feedback for improvement?	<input type="text" value="Y"/>

Thank you for your valuable feedback.

The user is required to give his/her valuable feedback.

# Speech Emotion Detection App

 Speech Emotion Detection App

Please click on the first button to begin and then click on the further buttons to answer the questions asked.

**Let's begin with your feedback**

Click to answer the question, Did you like the food in the restaurant?

Click to answer the question, How were the automated services, were they user-friendly?

Click to answer the question, Will you recommend this restaurant to your friends and relatives?

Click to answer the question, Will you visit the restaurant again?

Click to answer the question, Any other feedback for improvement?

The user is required to speak and answer the questions asked by the computer.

# Contact Person

You can reach out to me on [radhika\\_v84@yahoo.com](mailto:radhika_v84@yahoo.com).





A vibrant, hand-drawn illustration of the words "Thank You!" in a playful, bubbly font. The letters are decorated with various patterns and colors. The word "Thank" is in the top row, and "You!" is in the bottom row. There are several stylized flowers and a small circular pattern around the text.