

# Response Evolution System

**Abstract:** This project is about brief explanation and display about feedback. Feedback is having different type of names age details of the person are needed to give feedback.

**Description:** The Food Feedback System is a Python program designed to collect feedback from customers about their dining experiences. It allows customers to rate various aspects of the food and service and provide comments. The program can be used by restaurants, cafes, or any food service establishment to gather valuable feedback to improve their offerings and customer satisfaction.

## Requirements:

### Functional Requirements:

\***Add customer details:** Users can input name, age , gender, rating , comment.

\***Query food item:** User can enter the food item name.

\***Rating:** User can give rating based on their experience.

### Non-Functional requirements:

\* **Performance:** The system should be responsive and able to handle concurrent user interactions without significant delays.

\* **Security:** The system should adhere to industry-standard security practices to protect user data from unauthorized access, manipulation, or disclosure.

\* **Usability:** The user interface should be intuitive and easy to use for both customers and restaurant staff.

## Approach:

1. **Requirement Gathering:** Review the functional and non-functional requirements provided earlier and gather any additional requirements from stakeholders.
2. **Design:** Define the system architecture, including components, modules, and their interactions. Design the user interface for both customers and restaurant staff, considering usability principles and accessibility requirements.
3. **Technology Selection:** Choose appropriate technologies and frameworks based on the project requirements, team expertise, and industry best practices. Consider using Python for backend development, along with libraries/frameworks like Flask or Django for web development.
4. **Development:** Implement the backend functionality for user registration, feedback submission, data storage, and retrieval .Develop the frontend components for user

interfaces, ensuring they align with the design specifications and usability requirements.

5. **Testing:** Conduct thorough testing of the system to identify and fix any defects or issues. Perform functional testing to ensure that all requirements are met, including edge cases and error scenarios. Test the system's performance under load to assess scalability and identify potential bottlenecks.
6. **Deployment:** Deploy the system to a production environment, following best practices for deployment and configuration management. Set up monitoring and logging mechanisms to track system performance and detect any issues in real-time . Perform a final round of testing in the production environment to ensure everything is functioning correctly.
7. **Maintenance and Support:** Provide ongoing maintenance and support for the system, addressing any issues reported by users or identified through monitoring. Regularly update the system to incorporate new features, enhancements, and security patches.

## Program:

```
python project 24.py - C:\Users\kunda\AppData\Local\Programs\Python\Python312\python project 24.py (3.12.4)
File Edit Format Run Options Window Help
import pandas as pd
s=[]
def add_feedback(name ,age ,gender ,food_item ,rating ,comment):
    feedback={
        'name':name,
        'age':age,
        'gender':gender,
        'food_item':food_item,
        'rating':rating,
        'comment':comment
    }
    s.append(feedback)
n=int(input())
for _ in range(n):
    name=input("Enter name:")
    age=int(input("Enter the age:"))
    gender=input("Enter the gender:")
    food_item=input("Enter food item name:")
    rating=int(input("Enter your rating:"))
    comment=input("Enter your opinion:")
    add_feedback(name ,age ,gender ,food_item ,rating ,comment)
    print(s[i])
df=pd.DataFrame(s)
print(df)
for i in range(n):
    if s[i]['rating'] < 3:
        print("Rating less than 3 given by:",s[i]['name'])
for i in range(n):
    if s[i]['rating'] >3:
        print("Rating more than 3 given by:",s[i]['name'])
for i in range(n):
    if s[i]['age'] < 30:
        print("Age below 30:",s[i]['name'])
for i in range(n):
    if s[i]['age'] > 30:
        print("Age above 30:",s[i]['name'])
c1=0
for i in range(n):
    if s[i]['gender'] == 'm':
        c1+=1
print("how many males:",c1)
c2=0
for i in range(n):
    if s[i]['gender'] == 'f':
        c2+=1
print("how many females:",c2)
```

```

python project 24.py - C:\Users\kunda\AppData\Local\Programs\Python\Python312\python project 24.py (3.12.4)
File Edit Format Run Options Window Help
print("how many females:",c2)
c3=0
for i in range(n):
    if s[i]['rating'] == 1 :
        c3+=1
print("Persons given rating of 1:",c3)
c4=0
for i in range(n):
    if s[i]['rating'] == 2:
        c4+=1
print("persons given rating on 2:",c4)
c5=0
for i in range(n):
    if s[i]['rating'] == 3:
        c5+=1
print("persons given rating on 3:",c5)
c6=0
for i in range(n):
    if s[i]['rating'] == 4:
        c6+=1
print("persons given rating on 4:",c6)
c7=0
for i in range(n):
    if s[i]['rating'] == 5:
        c7+=1
print("persons given rating on 5:",c7)
l=[]
for i in range(n):
    l.append(s[i]['age'])
mx=max(l)
mn=min(l)
for i in range(n):
    if s[i]['age']==mx:
        print("older:",s[i]['name'])
    if s[i]['age']==mn:
        print("younger:",s[i]['name'])
N=input()
for i in range(n):
    if s[i]['name']==N:
        print(s[i]['name'],s[i]['age'],s[i]['gender'],s[i]['food_item'],s[i]['rating'],s[i]['comment'])

```

Output:

```

IDLE Shell 3.12.4
File Edit Shell Debug Options Window Help
===== RESTART: C:\Users\kunda\AppData\Local\Programs\Python\Python312\python project 24.py =====
20
Enter name:raga
Enter the age:31
Enter the gender:f
Enter food_item name:burger
Enter your rating:4
Enter your opinion:good
Enter name:varsha
Enter the age:21
Enter the gender:f
Enter food_item name:pizza
Enter your rating:5
Enter your opinion:very tasty
Enter name:loki
Enter the age:34
Enter the gender:m
Enter food_item name:fries
Enter your rating:2
Enter your opinion:very salty
Enter name:renu
Enter the age:25
Enter the gender:m
Enter food_item name:chicken rice
Enter your rating:3
Enter your opinion:not bad
Enter name:vyshu
Enter the age:57
Enter the gender:f
Enter food_item name:chicken biryani
Enter your rating:1
Enter your opinion:not satisfied
Enter name:teju
Enter the age:20
Enter the gender:f
Enter food_item name:panner tikka
Enter your rating:5
Enter your opinion:excellent
Enter name:harshith
Enter the age:46
Enter the gender:m
Enter food_item name:shawarma
Enter your rating:4
Enter your opinion:good
Enter name:hema
Enter the age:29
Enter the gender:f

```

```
*IDLE Shell 3.12.4*
File Edit Shell Debug Options Window Help
Enter your rating:4
Enter your opinion:good
Enter name:hema
Enter the age:29
Enter the gender:f
Enter food_item name:manchurian
Enter your rating:2
Enter your opinion:very spicy
Enter name:susmitha
Enter the age:31
Enter the gender:f
Enter food_item name:chicken wings
Enter your rating:4
Enter your opinion:good
Enter name:venkatesh
Enter the age:45
Enter the gender:m
Enter food_item name:prawn biryani
Enter your rating:5
Enter your opinion:satisfied
Enter name:akshita
Enter the age:24
Enter the gender:f
Enter food_item name:kaju pulav
Enter your rating:3
Enter your opinion:better
Enter name:sravanthi
Enter the age:43
Enter the gender:f
Enter food_item name:noddies
Enter your rating:5
Enter your opinion:satisfied
Enter name:yaswanth
Enter the age:32
Enter the gender:m
Enter food_item name:chicken soup
Enter your rating:3
Enter your opinion:average
Enter name:rohith
Enter the age:25
Enter the gender:m
Enter food_item name:fish fry
Enter your rating:4
Enter your opinion:good taste
Enter name:harini
Enter the age:26
Enter the gender:f
```

Ln: 449 Col: 0

```
*IDLE Shell 3.12.4*
File Edit Shell Debug Options Window Help
Enter your rating:4
Enter your opinion:good taste
Enter name:harini
Enter the age:26
Enter the gender:f
Enter food_item name:chicken fry
Enter your rating:1
Enter your opinion:not satisfied
Enter name:surekha
Enter the age:35
Enter the gender:f
Enter food_item name:veg thali
Enter your rating:4
Enter your opinion:good
Enter name:mohith
Enter the age:16
Enter the gender:m
Enter food_item name:chicken mandi
Enter your rating:5
Enter your opinion:very tasty
Enter name:maha
Enter the age:43
Enter the gender:f
Enter food_item name:butter naan
Enter your rating:2
Enter your opinion:very bad
Enter name:yagna
Enter the age:29
Enter the gender:f
Enter food_item name:panner mandi
Enter your rating:3
Enter your opinion:better
Enter name:chandra
Enter the age:50
Enter the gender:m
Enter food_item name:fish curry
Enter your rating:5
Enter your opinion:satisfied
0      name age gender food_item rating comment
1      varsha 21 f pizza 5 very tasty
2      loki 34 m fries 2 very salty
3      renu 25 m chicken rice 3 not bad
4      vyshu 57 f chicken biryani 1 not satisfied
5      teju 20 f panner tikka 5 excellent
6      harshith 46 m shawarma 4 good
7      hema 29 f manchurian 2 very spicy
```

Ln: 449 Col: 0

```
*IDLE Shell 3.12.4*
File Edit Shell Debug Options Window Help
0      name age gender food_item rating comment
1      raga 31 f burger 4 good
2      varsha 21 f pizza 5 very tasty
3      loki 34 m fries 2 very salty
4      renu 25 m chicken rice 3 not bad
5      vyshu 57 f chicken biryani 1 not satisfied
6      teju 20 f panner tikka 5 excellent
7      harshith 46 m shawarma 4 good
8      hema 29 f manchurian 2 very spicy
9      susmitha 31 f chicken wings 4 good
10     venkatesh 45 m prawn biryani 5 satisfied
11     akhila 24 f kaju pulav 3 better
12     sravnthi 43 f noddles 5 satisfied
13     yaswanth 32 m chicken soup 3 average
14     rohith 25 m fish fry 4 good taste
15     harini 26 f chicken fry 1 not satisfied
16     surekha 35 f veg thali 4 good
17     mohith 16 m chicken mandi 5 very tasty
18     maha 43 f butter naan 2 very bad
19     yagna 29 f panner mandi 3 better
20     chandra 50 m fish curry 5 satisfied
Rating less than 3 given by: loki
Rating less than 3 given by: vyshu
Rating less than 3 given by: hema
Rating less than 3 given by: harini
Rating less than 3 given by: maha
Rating more than 3 given by: raga
Rating more than 3 given by: varsha
Rating more than 3 given by: teju
Rating more than 3 given by: harshith
Rating more than 3 given by: susmitha
Rating more than 3 given by: venkatesh
Rating more than 3 given by: sravnthi
Rating more than 3 given by: rohith
Rating more than 3 given by: surekha
Rating more than 3 given by: mohith
Rating more than 3 given by: chandra
Age below 30: varsha
Age below 30: renu
Age below 30: teju
Age below 30: hema
Age below 30: akhila
Age below 30: rohith
Age below 30: harini
Age below 30: mohith
Age below 30: yagna
Age above 30: raga
Ln: 449 Col: 0
```

```
IDLE Shell 3.12.4 - C:/Users/kunda/AppData/Local/Programs/Python/Python312/python project 24 output.py (3.12.4)
File Edit Shell Debug Options Window Help
19     chandra 50 m fish curry 5 satisfied
Rating less than 3 given by: loki
Rating less than 3 given by: vyshu
Rating less than 3 given by: hema
Rating less than 3 given by: harini
Rating less than 3 given by: maha
Rating more than 3 given by: raga
Rating more than 3 given by: varsha
Rating more than 3 given by: teju
Rating more than 3 given by: harshith
Rating more than 3 given by: susmitha
Rating more than 3 given by: venkatesh
Rating more than 3 given by: sravnthi
Rating more than 3 given by: rohith
Rating more than 3 given by: surekha
Rating more than 3 given by: mohith
Rating more than 3 given by: chandra
Age below 30: varsha
Age below 30: renu
Age below 30: teju
Age below 30: hema
Age below 30: akhila
Age below 30: rohith
Age below 30: harini
Age below 30: mohith
Age below 30: yagna
Age above 30: raga
Age above 30: loki
Age above 30: vyshu
Age above 30: harshith
Age above 30: susmitha
Age above 30: venkatesh
Age above 30: sravnthi
Age above 30: yaswanth
Age above 30: surekha
Age above 30: maha
Age above 30: chandra
how many males: 8
how many females: 12
Persons given rating of 1: 2
persons given rating on 2: 3
persons given rating on 3: 4
persons given rating on 4: 5
persons given rating on 5: 6
older: vyshu
younger: mohith
Ln: 334 Col: 28
```

## Conclusion:

In conclusion, the food feedback program provides a straightforward way for users to share their opinions about the food offered. Through a simple interface, users can submit their name, rate the food on a scale of 1 to 5, and provide comments. The program maintains a record of all feedback submitted, allowing users to view previous entries. This system promotes engagement and allows food service providers to gather valuable insights into customer satisfaction and preferences.