



Home

Dashboard

Explore

UAE Foodie Dashboard

Discover UAE top restaurants, cafes, and dishes through insights drawn from **Talabat** a popular online food delivery platform in the UAE.

This dashboard showcases the top-rated restaurants, their best-selling dishes, the locations they deliver, and the cuisines they specialize in. Find your next favorite meal with ease!



132

Restaurants



151

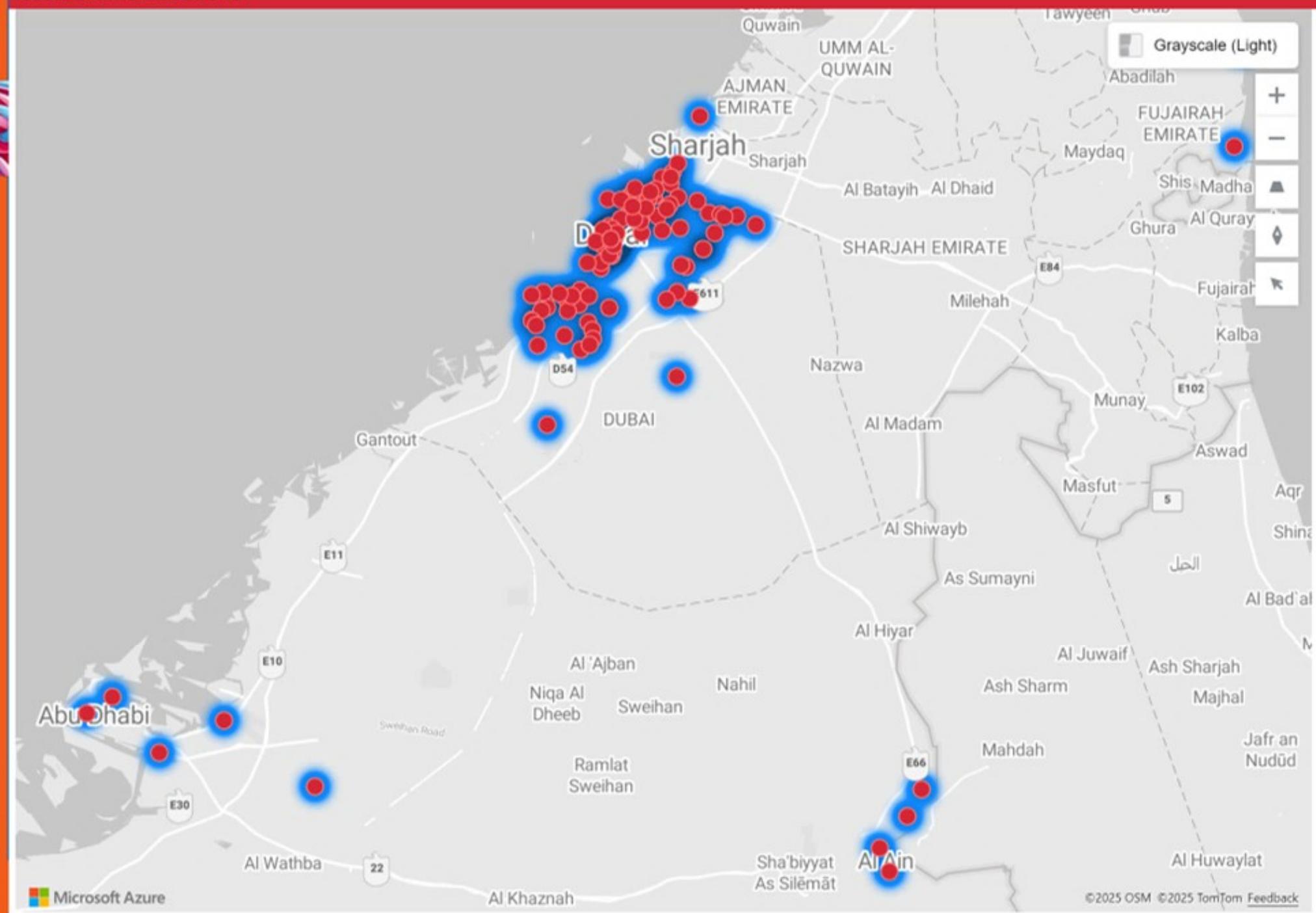
Total locations



Info

Design by: Mohamad Ehtesham S

Restaurants Locations



Home Dashboard Explore

 **132**
Restaurants

 **151**
Locations

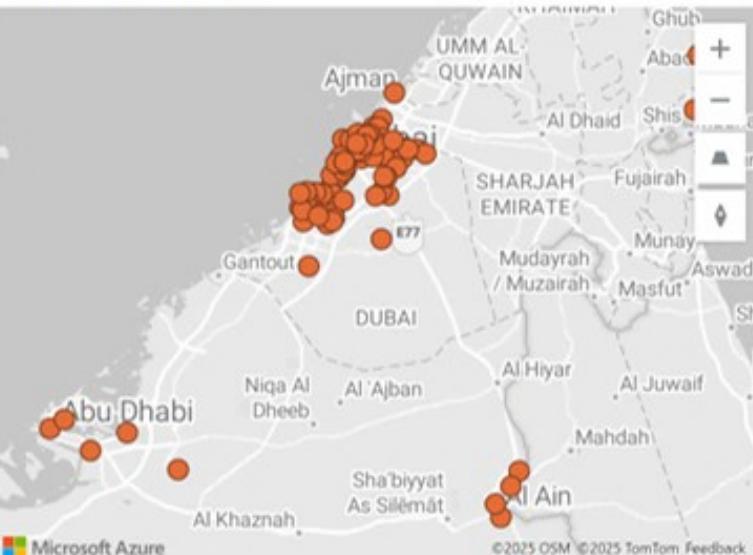
 **95**
Cuisines

Locations Deliver All

Food/Cuisine All

Rating All

Restaurants Locations



Microsoft Azure ©2025 OSM ©2025 TomTom Feedback

Popular Food / Cuisine

Cuisine	Count
Arabic	20
Asian	19
Beverages	18
Desserts	17
Grills	16
Indian	16
Burgers	13
Healthy	13
Sandwiches	12
American	11

Restaurant Ratings



Rating	Count
3.00	3
3.50	16
4.00	54
4.50	53
5.00	1

Top Restaurants

Restaurants	Cuisines	# Reviews	Ratings
High Joint	Burgers, Fast Food, American	6005	4.5 ★
Bombay Chowpatty	Indian, Street food, North Indian	5426	4.0 ★
Shawarma & Co	Shawarma, Lebanese, Sandwiches	3880	4.0 ★
Bagel & Co	American, Breakfast, Bagel	3732	4.5 ★
Noods Town	Noodles, Street food, Asian	3670	4.0 ★
Tiger Sugar	Tea, Asian, Beverages	3571	4.5 ★
Protein House	Healthy, Salad, Breakfast	1821	4.5 ★
Burger & Juice Cafee	Burgers, Desserts, Sandwiches	1795	4.0 ★
Pasta Di Risotto Italia - Italian Bistro	Italian, Pasta, Healthy	1510	4.0 ★
Healthy Meals	Healthy, Sandwiches, Smoothies	380	4.5 ★

Select the preferences

Restaurant Name

All

Food/Cuisines

All

Locations Serve

All

Ratings (1-5)

All



Restaurant	Ratings	Locations Deliver	Reviews #	Best Selling dishes	
High Joint	★★★★★	Al Barsha 3, Al Khawaneej 2, Al Mizhar 1	6005	, Double High, High Jamz	visit site >
Bombay Chowpatty	★★★★★	Ajman City Center, Al Barsha 1, Al Barsha 2	5426	Pani Puri, Samosa Plate 2pcs, Dahi Batata Puri	visit site >
Kaaki w nos	★★★★★	Al Mutarad, BreakWater	5403	, Mini Ka'ak Mix Box (25 Pieces), Kunafa Platter (4 PCS)	visit site >
MAMA EGYPT	★★★★★	Al Nahda	4292	Breakfast Service, Meduim Breakfast Service, Chicken With Cheese Pie	visit site >
Shawarma & Co	★★★★★	Al Karama, Al Quoz Industrial Area 3, Al Qusais 1	3880	Arabic Chicken Meal, Chicken Shawarma sandwich, Mexican Chicken Meal	visit site >
Cheesy	★★★★★	Abu Shagara, Al Muntazah, Al Abar	3865		visit site >
Al Boughaz Al Maghribi	★★★★★	Hor Al Anz East	3805	, Chicken Couscous With Vegetables, Harira Soup	visit site >
Bagel & Co	★★★★★	Ajman Free Zone, Al Jimi, Al Khawaneej 1	3732	, The Simple B Bagel ⚡, Build Your Own Bagel 🍞🫧🫧🫧🫧	visit site >
Pepe's Piri Piri	★★★★★	Dubai Motor City	3690	, Chick 'N' Rice, 1/2 Chicken with Reg Side	visit site >
Noods Town	★★★★★	Al Jahili, Al Jurf 2, Al Mushrif	3670	70 Mulberry Corn Dog, Tomyum Fried Rice, SUSHI W Bangbang Shrimp Pop	visit site >
Tiger Sugar	★★★★★	Al Barsha 1, Al Barsha South - Corniche Daira	3571	, Black Sugar Pearl + Boba with Milk, Black Sugar Boba + Boba + Tiger Coffee Jelly with	visit site >

- [LinkedIn - Mohamad Ehtesham](https://www.linkedin.com/in/-mohamad-ehtesham/) (<https://www.linkedin.com/in/-mohamad-ehtesham/>).

▼ **Web Scraping: Extracting Restaurant Details from Talabat UAE**

Objective

Extract the following fields for all restaurants listed on [Talabat UAE](https://www.talabat.com/uae) (<https://www.talabat.com/uae>):

Fields to be Extracted:

- Restaurant Name
- Cuisine Type(s)
- Location/Area
- Best Selling Dishes
- Ratings
- Reviews



In [42]:

1 !pip install selenium

```
Collecting selenium
  Downloading selenium-4.27.1-py3-none-any.whl.metadata (7.1 kB)
Requirement already satisfied: urllib3<3,>=1.26 in c:\users\mohammad ehteshan\anaconda3\lib\site-packages (from selenium[socks]<3,>=1.26->selenium) (2.2.2)
Collecting trio~=0.17 (from selenium)
  Downloading trio-0.28.0-py3-none-any.whl.metadata (8.5 kB)
Collecting trio-websocket~=0.9 (from selenium)
  Downloading trio_websocket-0.11.1-py3-none-any.whl.metadata (4.7 kB)
Requirement already satisfied: certifi>=2021.10.8 in c:\users\mohammad ehteshan\anaconda3\lib\site-packages (from selenium) (2024.6.2)
Requirement already satisfied: typing_extensions~=4.9 in c:\users\mohammad ehteshan\anaconda3\lib\site-packages (from selenium) (4.11.0)
Requirement already satisfied: websocket-client~=1.8 in c:\users\mohammad ehteshan\anaconda3\lib\site-packages (from selenium) (1.8.0)
Collecting attrs>=23.2.0 (from trio~=0.17->selenium)
  Downloading attrs-24.3.0-py3-none-any.whl.metadata (11 kB)
Requirement already satisfied: sortedcontainers in c:\users\mohammad ehteshan\anaconda3\lib\site-packages (from trio~=0.17->selenium) (2.4.0)
Requirement already satisfied: idna in c:\users\mohammad ehteshan\anaconda3\lib\site-packages (from trio~=0.17->selenium) (3.5.0)
```

In [43]:

```
1 !pip install webdriver_manager
```

```
Collecting webdriver_manager
  Downloading webdriver_manager-4.0.2-py2.py3-none-any.whl.metadata (12 kB)
Requirement already satisfied: requests in c:\users\mohammad ehtheshan\anaconda3\lib\site-packages (from webdriver_manager) (2.32.2)
Requirement already satisfied: python-dotenv in c:\users\mohammad ehtheshan\anaconda3\lib\site-packages (from webdriver_manager) (0.21.0)
Requirement already satisfied: packaging in c:\users\mohammad ehtheshan\anaconda3\lib\site-packages (from webdriver_manager) (23.2)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\mohammad ehtheshan\anaconda3\lib\site-packages (from requests->webdriver_manager) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\mohammad ehtheshan\anaconda3\lib\site-packages (from requests->webdriver_manager) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\mohammad ehtheshan\anaconda3\lib\site-packages (from requests->webdriver_manager) (2.2.2)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\mohammad ehtheshan\anaconda3\lib\site-packages (from requests->webdriver_manager) (2024.6.2)
  Downloading webdriver_manager-4.0.2-py2.py3-none-any.whl (27 kB)
Installing collected packages: webdriver_manager
  Successfully installed webdriver_manager-4.0.2
```



Import all the necessary libraries

In [1]:

```
1 from selenium import webdriver
2 from selenium.webdriver.common.by import By
3 from selenium.webdriver.chrome.service import Service
4 from webdriver_manager.chrome import ChromeDriverManager
5 import pprint
6 from selenium.webdriver.common.action_chains import ActionChains
7 from selenium.webdriver.support.ui import WebDriverWait
8 from selenium.webdriver.support import expected_conditions as EC
9 from selenium.common.exceptions import NoSuchElementException, TimeoutException, StaleElementReferenceE
10
11
12 import time
13 import re
14
15 import pandas as pd
16
```

Some of the above packages must be installed before running them or else below code will give errors

▼ **Main Code for fetching data from website with reviews**

In [8]:

```
 1 service = Service(r"D:\New folder (2)\chromedriver-win64\chromedriver-win64\chromedriver.exe") #selenium
 2 driver = webdriver.Chrome(service=service)
 3
 4 url = "https://www.talabat.com/uae/restaurants"
 5 driver.get(url)
 6
 7 restaurant_data = []
 8
 9 def fetch_restaurants():
10     return driver.find_elements(By.XPATH, "//div[@data-testid='vendor']//a")
11
12 page_limit = 5
13 page_number = 1
14 start_time = time.time()
15
16 while page_number <= page_limit:
17     try:
18         WebDriverWait(driver, 20).until(EC.presence_of_all_elements_located((By.XPATH, "//p[@data-testid='vendor']//a")))
19
20         restaurants = fetch_restaurants()
21
22         for index in range(len(restaurants)):
23             try:
24                 restaurants = fetch_restaurants()
25                 if index >= len(restaurants):
26                     print("Index out of range after re-fetching elements")
27                     break
28
29                 restaurant = restaurants[index]
30                 restaurant_name = restaurant.text
31
32                 driver.execute_script("arguments[0].scrollIntoView(true);", restaurant)
33                 time.sleep(3)
34
35                 restaurant.click()
36                 time.sleep(8)
37
38                 if "Page not found" in driver.page_source:
39                     print(f"Page not found for {restaurant_name}, navigating back to the main page and")
40                     driver.get(url)
41                     WebDriverWait(driver, 15).until(
42                         EC.presence_of_element_located((By.XPATH, "//div[@data-testid='vendor']"))
43                     )
```

```
44             time.sleep(7)
45         continue
46
47     descript = WebDriverWait(driver, 10).until(
48         EC.presence_of_element_located((By.XPATH, "//div[@class='markdown-rich-text-block']")
49     )
50
51     rating = WebDriverWait(driver, 10).until(
52         EC.presence_of_element_located((By.XPATH, "//span[contains(@class, 'mr-1')]"))
53     )
54
55     rating_number = re.search(r'\d+\.\d+', rating.text).group()
56     cuisine_text = re.sub(r'[:\d\.]+', '', rating.text).strip()
57     descript_text = (descript.text).strip()
58     reviews = WebDriverWait(driver, 10).until(
59         EC.presence_of_element_located((By.XPATH, "//span[@data-testid='brand-total-reviews']")
60     ).text.strip()
61
62     restaurant_data.append((restaurant_name, rating_number, cuisine_text, descript_text, reviews))
63     print(f"Fetched data for - {restaurant_name}")
64
65     driver.back()
66     WebDriverWait(driver, 15).until(
67         EC.presence_of_element_located((By.XPATH, "//div[@data-testid='vendor']"))
68     )
69     time.sleep(7)
70
71 except Exception as e:
72     print(f"Error fetching data for {restaurant_name}: {e}")
73     driver.get(url)
74
75     WebDriverWait(driver, 15).until(
76         EC.presence_of_element_located((By.XPATH, "//div[@data-testid='vendor']"))
77     )
78     time.sleep(7)
79     continue
80
81     WebDriverWait(driver, 10).until(EC.invisibility_of_element_located((By.CSS_SELECTOR, ".global-s
82 next_button = WebDriverWait(driver, 10).until(EC.element_to_be_clickable((By.XPATH, "//a[@aria-
83 print(f"Clicking on the 'Next' button on page {page_number}...")")
84     next_button.click()
85
86     WebDriverWait(driver, 20).until(EC.presence_of_all_elements_located((By.XPATH, "//p[@data-testid
```

```
87     page_number += 1
88     print(f"Moved to Page {page_number}")
89
90     except Exception as e:
91         print(f"Error on page {page_number}: {e}")
92         driver.get(url)
93     WebDriverWait(driver, 15).until(
94         EC.presence_of_element_located((By.XPATH, "//div[@data-testid='vendor']"))
95     )
96     time.sleep(7)
97     continue
98
99 end_time = time.time()
100 total_time_taken = end_time - start_time
101
102 print('Fetched till page:', page_number - 1)
103 print('Total restaurants data fetched:', len(restaurant_data))
104 print('Time taken to fetch data:', total_time_taken, 'seconds')
105
106 for data in restaurant_data:
107     print(data)
108
```

Fetched data for - Shrimp Kingdom
Seafood,International

Fetched data for - Pasta Di Risotto Italia - Italian Bistro
Italian,Pasta,Healthy

Fetched data for - Wawa Dining
Japanese,Asian,Ramen,Korean

Fetched data for - WH#63z Eatery
Indian,International

Fetched data for - So Saj
Bakery,Arabic,Beverages

Fetched data for - MAAR Sushi
Sushi,Seafood,Asian

Fetched data for - Sticky Wingz
Wings,Bubble tea,Burgers

Fetched data for - Gorilla Burger
Burgers,Fast Food,Sliders

Fetched data for - DRVN Coffee by Porsche
Coffee,Acai,Breakfast,Cafe,Beverages

Fetched data for - TOK Premium Restaurant

.. .

Further restaurant data could have been extracted, but due to the time-consuming process, I had to limit it to the first 132 restaurants.

```
In [10]: 1 restaurant_data
```

```
Out[10]: [('Shrimp Kingdom\nSeafood,International',
   '4.0',
   '',
   'Shrimp Kingdom is a restaurant located in UAE, serving a selection of Seafood, International that delivers across Jumeirah Beach Residence - JBR.\nThey have been reviewed 197 times by talabat users, with a rating of 4.',
   '136 Reviews'),
  ('Pasta Di Risotto Italia - Italian Bistro\nItalian,Pasta,Healthy',
   '4.0',
   '',
   'Pasta Di Risotto Italia - Italian Bistro is a restaurant located in UAE, serving a selection of Italian, Pasta, Healthy that delivers across Al Warqa 4, Business Bay, Business Bay, Dubai Media City and Madinat Khalifa - A.\nTheir best selling dishes are Penne Di Alfredo Pasta, Penne Di Pink Pasta, Spaghetti Di Bolognese Pasta and Lasagna, although they have a variety of dishes and meals to choose from like Italian, Pasta, Healthy.\nThey have been reviewed 2101 times by talabat users, with a rating of 4.',
   '1510 Reviews'),
  ('Wawa Dining\nJapanese,Asian,Ramen,Korean',
   '4.5',
   '',
   ...
   ...]
```

Convert the Raw form data into DataFrame

```
In [18]: 1 cleaned_data = []
  2 for name_cuisine, rating, cuisine_text, description,reviews in restaurant_data:
  3     name, cuisines = name_cuisine.split('\n', 1)
  4     cleaned_data.append((name.strip(), cuisines.strip(), rating, description.strip(),reviews))
  5
  6 df = pd.DataFrame(cleaned_data, columns=['Restaurant Name', 'Cuisines', 'Rating', 'Description','review
```

In [19]: 1 df

Out[19]:

	Restaurant Name	Cuisines	Rating	Description	reviews
0	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136 Reviews
1	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510 Reviews
2	Wawa Dining	Japanese,Asian,Ramen,Korean	4.5	Wawa Dining is a restaurant located in UAE, se...	27 Reviews
3	WH#63z Eatery	Indian,International	4.0	WH#63z Eatery is a restaurant located in UAE, ...	0 Reviews
4	So Saj	Bakery,Arabic,Beverages	0.0	So Saj is a restaurant located in UAE, serving...	0 Reviews
...
127	Supermarche	Grocery,Convenience Store,Supermarket	4.5	Supermarche is a grocery store near you, locat...	912 Reviews
128	Better Biryani	Chicken,Desserts,Beverages	3.5	Better Biryani is a restaurant located in UAE,...	4 Reviews
129	Origins Kitchen	Burgers,Grills,International	4.5	Origins Kitchen is a restaurant located in UAE...	2 Reviews
130	QSL Juices	Juices,Beverages	4.0	QSL Juices is a restaurant located in UAE, ser...	2 Reviews
131	Qrew	Desserts,Beverages,Snacks	3.5	Qrew is a restaurant located in UAE, serving a...	27 Reviews

132 rows × 5 columns

In [20]: 1 df.tail()

Out[20]:

	Restaurant Name	Cuisines	Rating	Description	reviews
127	Supermarche	Grocery,Convenience Store,Supermarket	4.5	Supermarche is a grocery store near you, locat...	912 Reviews
128	Better Biryani	Chicken,Desserts,Beverages	3.5	Better Biryani is a restaurant located in UAE,...	4 Reviews
129	Origins Kitchen	Burgers,Grills,International	4.5	Origins Kitchen is a restaurant located in UAE...	2 Reviews
130	QSL Juices	Juices,Beverages	4.0	QSL Juices is a restaurant located in UAE, ser...	2 Reviews
131	Qrew	Desserts,Beverages,Snacks	3.5	Qrew is a restaurant located in UAE, serving a...	27 Reviews

▼ Removing any unnecessary characters from Description Column

In [21]: 1 df['Description']=df['Description'].str.replace('\n',' ', regex=False)
2 df

Out[21]:

	Restaurant Name	Cuisines	Rating	Description	reviews
0	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136 Reviews
1	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510 Reviews
2	Wawa Dining	Japanese,Asian,Ramen,Korean	4.5	Wawa Dining is a restaurant located in UAE, se...	27 Reviews
3	WH#63z Eatery	Indian,International	4.0	WH#63z Eatery is a restaurant located in UAE, ...	0 Reviews
4	So Saj	Bakery,Arabic,Beverages	0.0	So Saj is a restaurant located in UAE, serving...	0 Reviews
...
127	Supermarche	Grocery,Convenience Store,Supermarket	4.5	Supermarche is a grocery store near you, locat...	912 Reviews
128	Better Birvani	Chicken Desserts Beverages	3.5	Better Biryani is a restaurant located in UAE,...	4 Reviews

Checking for duplicates rows

```
In [22]: 1 df.duplicated().sum()
```

```
Out[22]: 0
```

Checking for null values

```
In [23]: 1 df.isnull().sum()
```

```
Out[23]: Restaurant Name      0  
Cuisines          0  
Rating           0  
Description       0  
reviews          0  
dtype: int64
```

Cleaning reviews column

```
In [31]: 1 df['reviews']=df['reviews'].replace('Reviews',' ',regex=True)  
2 df['reviews']=df['reviews'].str.rstrip()  
3 df.head()
```

	Restaurant Name	Cuisines	Rating	Description	reviews
0	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136
1	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510
2	Wawa Dining	Japanese,Asian,Ramen,Korean	4.5	Wawa Dining is a restaurant located in UAE, se...	27
3	WH#63z Eatery	Indian,International	4.0	WH#63z Eatery is a restaurant located in UAE, ...	0
4	So Saj	Bakery,Arabic,Beverages	0.0	So Saj is a restaurant located in UAE, serving...	0

▼ Assigning restaurant id for possible future req

```
In [32]: 1 #assigning restaurant id
          2
          3 df.index=range(1,len(df)+1)
          4 df[ 'Restaurant ID']=['R'+str(i) for i in df.index]
```

```
In [34]: 1 df.head()
```

Out[34]:

	Restaurant Name	Cuisines	Rating	Description	reviews	Restaurant ID
1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	R1
2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	R2
3	Wawa Dining	Japanese,Asian,Ramen,Korean	4.5	Wawa Dining is a restaurant located in UAE, se...	27	R3
4	WH#63z Eatery	Indian,International	4.0	WH#63z Eatery is a restaurant located in UAE, ...	0	R4
5	So Saj	Bakery,Arabic,Beverages	0.0	So Saj is a restaurant located in UAE, serving...	0	R5

▼ Moving this ID column to first position

```
In [35]: 1 fst_col=df.pop('Restaurant ID')
          2 df.insert(0,'Restaurant ID',fst_col)
```

In [38]: 1 df.head()

Out[38]:

	Restaurant ID	Restaurant Name	Cuisines	Rating	Description	reviews
1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136
2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510
3	R3	Wawa Dining	Japanese,Asian,Ramen,Korean	4.5	Wawa Dining is a restaurant located in UAE, se...	27
4	R4	WH#63z Eatery	Indian,International	4.0	WH#63z Eatery is a restaurant located in UAE, ...	0
5	R5	So Saj	Bakery,Arabic,Beverages	0.0	So Saj is a restaurant located in UAE, serving...	0

Extracting Locations Served from Restaurant Description

In [40]:

```
1 def get_location(description):
2     location = re.search(r'across (.*)\.', description)
3     if location:
4         location_text = location.group(1)
5         return location_text
6     else:
7         return "Location not found"
8 df['Location_served']=df['Description'].apply(get_location)
```

In [41]: 1 df

Out[41]:

	Restaurant ID	Restaurant Name	Cuisines	Rating	Description	reviews	Location_served
1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	Jumeirah Beach Residence - JBR
2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Al Warqa 4, Business Bay, Business Bay, Dubai ...
3	R3	Wawa Dining	Japanese,Asian,Ramen,Korean	4.5	Wawa Dining is a restaurant located in UAE, se...	27	Al Barsha 1
4	R4	WH#63z Eatery	Indian,International	4.0	WH#63z Eatery is a restaurant located in UAE, ...	0	Al Quoz Industrial Area 3
5	R5	So Saj	Bakery,Arabic,Beverages	0.0	So Saj is a restaurant located in UAE, serving...	0	Al Quoz 1
...
128	R128	Supermarche	Grocery,Convenience Store,Supermarket	4.5	Supermarche is a grocery store near you, locat...	912	Business Bay, Oud Metha and Oud Metha
129	R129	Better Biryani	Chicken,Desserts,Beverages	3.5	Better Biryani is a restaurant located in UAE,...	4	Al Quoz Industrial Area 4
130	R130	Origins Kitchen	Burgers,Grills,International	4.5	Origins Kitchen is a restaurant located in UAE...	2	Muwaileh Commercial
131	R131	QSL Juices	Juices,Beverages	4.0	QSL Juices is a restaurant located in UAE, ser...	2	Al Mujarah
132	R132	Qrew	Desserts,Beverages,Snacks	3.5	Qrew is a restaurant located in UAE, serving a...	27	Hor Al Anz

132 rows × 7 columns

Extracting best selling dishes from Restaurant Description

```
In [42]: 1 def get_best_dishes(description):
          2     best_dish = re.search(r'best selling dishes are (.*)\ although', description)
          3     if best_dish:
          4         best_dish_text = best_dish.group(1)
          5         return best_dish_text
          6     else:
          7         return "text not found"
```

```
In [43]: 1 df['best selling dishes']=df['Description'].apply(get_best_dishes)
```

```
In [44]: 1 df
```

Out[44]:

	Restaurant ID	Restaurant Name	Cuisines	Rating	Description	reviews	Location_served	best selling dishes
1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE, se...	136	Jumeirah Beach Residence - JBR	text not found
2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Al Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta, Penne Di Pink Pasta, S...
3	R3	Wawa Dining	Japanese,Asian,Ramen,Korean	4.5	Wawa Dining is a restaurant located in UAE, se...	27	Al Barsha 1	Kimchi Jjigae,

```
In [48]: 1 df['Description'][3]
```

```
Out[48]: 'Wawa Dining is a restaurant located in UAE, serving a selection of Japanese, Asian, Ramen that delivers across Al Barsha 1.Their best selling dishes are Kimchi Jjigae, although they have a variety of dishes and meals to choose from like Japanese, Asian, Ramen.They have been reviewed 46 times by talabat users, with a rating of 4.5.'
```

```
In [ ]:
```

```
1
```

▼ Lets separate cuisines, best selling dishes, Location_served into row wise

▼ Separating best selling dishes into separate rows for further analysis and from Restaurant Description

```
In [9]:
```

```
1 def split_dishes(dishes):
2     return re.split(r',|\band\b', dishes)
3
4 df['best_selling_dishes_list'] = df['best selling dishes'].apply(split_dishes)
5
6 df = df.explode('best_selling_dishes_list')
7
8 df['best_selling_dishes_names'] = df['best_selling_dishes_list'].str.strip()
9
```

Out[10]:

			Restaurant ID	Restaurant Name	Cuisines	Rating	Description	reviews	Location_served	best selling dishes	best selling dishes
0	1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...		136	Jumeirah Beach Residence - JBR	text not found	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...		1510	Al Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta, Penne Di Pink Pasta, S...	Penne Di
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...		1510	Al Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta, Penne Di Pink Pasta, S...	Penne
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...		1510	Al Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta, Penne Di Pink Pasta, S...	Spaghetti
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...		1510	Al Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta, Penne Di Pink Pasta, S...	



Dropping Not Required Columns

```
In [14]: 1 df.drop(columns=['best selling dishes','best_selling_dishes_list'],axis=1,inplace=True)
```

In [15]: 1 df.head()

Out[15]:

	Unnamed: 0	Restaurant ID	Restaurant Name	Cuisines	Rating	Description	reviews	Location_served	best_selling_dishes_name
--	------------	---------------	-----------------	----------	--------	-------------	---------	-----------------	--------------------------

0	1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	Jumeirah Beach Residence - JBR	text not found
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	AI Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	AI Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Pin ... Pasta
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	AI Warqa 4, Business Bay, Business Bay, Dubai ...	Spaghetti D ... Bolognese Pasta
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	AI Warqa 4, Business Bay, Business Bay, Dubai ...	Lasagna

Separating Locations Served into separate rows for location based analysis and from Restaurant Description

In [16]:

```
1 def locations_served(locations_served):
2     return re.split(r',|\band\b', locations_served)
3
4 df['locations_served_list'] = df['Location_served'].apply(locations_served)
5
6 df = df.explode('locations_served_list')
7
8 df['locations_served_list'] = df['locations_served_list'].str.strip()
9
10 df.rename(columns={'locations_served_list': 'locations_serve'}, inplace=True)
11
```

```
In [17]: 1 df.head()
```

Out[17]:

			Restaurant ID	Restaurant Name	Cuisines	Rating	Description	reviews	Location_served	best_selling_dishes_name
0	1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	Jumeirah Beach Residence - JBR	text not found	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	AI Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	AI Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	AI Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	AI Warqa 4, Business Bay, Business Bay, Dubai ...	Penne Di Alfredo Pasta	



Droping Not Required Columns

```
In [18]: 1 df.drop(columns=['Location_served'],axis=1,inplace=True)
```

In [19]: 1 df.head()

Out[19]:

			Restaurant ID	Restaurant Name	Cuisines	Rating	Description	reviews	best_selling_dishes names	locations_serve
0	1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	text not found	Jumeirah Beach Residence - JBR	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Penne Di Alfredo Pasta	Al Warqa 4	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Penne Di Alfredo Pasta	Business Bay	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Penne Di Alfredo Pasta	Business Bay	
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Penne Di Alfredo Pasta	Dubai Media City	



In []:

1

▼ Seperating Cuisines into seperate rows for cuisines based analysis and from Restaurant Description

```
In [20]: 1 def Cuisines(Cuisines_served):
2     return re.split(r',|\band\b', Cuisines_served)
3
4 df['Cuisines_served_list'] = df['Cuisines'].apply(Cuisines)
5
6 df = df.explode('Cuisines_served_list')
7
8 df['Cuisines_served_list'] = df['Cuisines_served_list'].str.strip()
9
10 df.rename(columns={'Cuisines_served_list': 'Cuisines_serve'},inplace=True)
11
```

```
In [22]: 1 df
```

	Unnamed: 0	Restaurant ID	Restaurant Name	Cuisines	Rating	Description	reviews	best-selling_dishes names	location
0	1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	text not found	Reside...
0	1	R1	Shrimp Kingdom	Seafood,International	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	text not found	Reside...
1	2	R2	Pasta Di Risotto Italia - Italian Bistro	Italian,Pasta,Healthy	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Penne Di Alfredo Pasta	A...

▼ Drooping Not Required Columns

```
In [23]: 1 df.drop(columns=['Unnamed: 0','Cuisines'],axis=1,inplace=True)
```

```
In [24]: 1 df.head()
```

Out[24]:

	Restaurant ID	Restaurant Name	Rating	Description	reviews	best_selling_dishes names	locations_serve	Cuisines_serve
0	R1	Shrimp Kingdom	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	text not found	Jumeirah Beach Residence - JBR	Seafood
0	R1	Shrimp Kingdom	4.0	Shrimp Kingdom is a restaurant located in UAE,...	136	text not found	Jumeirah Beach Residence - JBR	International
1	R2	Pasta Di Risotto Italia - Italian Bistro	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Penne Di Alfredo Pasta	Al Warqa 4	Italian
1	R2	Pasta Di Risotto Italia - Italian Bistro	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Penne Di Alfredo Pasta	Al Warqa 4	Pasta
1	R2	Pasta Di Risotto Italia - Italian Bistro	4.0	Pasta Di Risotto Italia - Italian Bistro is a ...	1510	Penne Di Alfredo Pasta	Al Warqa 4	Healthy

▼ **Downlaoding Final File**

```
In [25]: 1 df.to_excel(r'D:\New folder (2)\New folder\New Data Combined.xlsx')
```

```
In [ ]:
```

```
1
```