life.py

```python
1  import requests
2  import json
3
4  # Define the API URL
5  API_URL = "http://demo1501260.mockable.io/beasanttechnologies"
6
7  def fetch_market_data(api_url):
8      try:
9          response = requests.get(api_url)
10         response.raise_for_status()  # Raise an HTTPError for bad responses
11         return response.json()  # Parse the response as JSON
12     except requests.exceptions.RequestException as e:
13         print(f"Error fetching data from API: {e}")
14         return None
15
16 # Function to generate the bill
17 def generate_bill(items):
18     if not items:
19         print("No items to generate the bill.")
20         return
21
22     print("\n--- Market Bill ---")
23     total_amount = 0
24     print(f"{'Item':<20} {'Qty':<5} {'Price':<10} {'Total':<10}")
25     print("-" * 50)
26     for item in items:
27         name = item.get("name")
28         quantity = item.get("quantity", 0)
29         price = item.get("price", 0.0)
30         item_total = quantity * price
31         total_amount += item_total
32         print(f"{name:<20} {quantity:<5} {price:<10.2f} {item_total:<10.2f}")
33     print("-" * 50)
34     print(f"{'Total Amount':<40} {total_amount:.2f}")
35
36 def main():
37     print("Fetching market data...")
38     market_data = fetch_market_data(API_URL)
39
40     if market_data and isinstance(market_data, list):
41         generate_bill(market_data)
42     else:
43         print("No valid data available to generate the bill.")
44
45 if __name__ == "__main__":
46     main()
```