

**Sprint IV
Testing**

Date 19 Nov 2022
Team ID PNT2022TMID15311
Project Name DemandEst- AI Powered Food Demand Forecast

User Acceptance Testing (UAT)

- **Aim:** To identify whether our users (Restaurant owners) can able to obtain accurate prediction results

Test Cases and Results

S.No	Test Case Predicted Result (No. of Orders)	Actual Result
1.	Homepage featured: No Emailer For Promotion: No OP Area: 2.0 Cuisine: Thai City code: 647 Region code: 56 Category: Beverages	192 181

2. Homepage featured: Yes **Emailer For Promotion:** No **OP Area:** 4.5
Cuisine: Continental
City code: 473
Region code: 77
Category: Fish

Region code: 56
Category: Beverages
186 169 38 41

3. Homepage featured: No **Emailer For Promotion:** No **OP Area:** 2.0
Cuisine: Indian
City code: 647

Acceptance Testing:

test/test_predict_orders.py

```
from ..app import predict_values

def test_predict_orders():
    """ Predict orders """

    input_features = [0.0, 0.0, 2.0, 3.0, 647, 56, 0.0]
    features_name = ['homepage_featured', 'emailer_for_promotion',
'op_area', 'cuisine', 'city_code', 'region_code', 'category']

    predicted_value = predict_values(features_name, input_features)

    assert 'predictions' in predicted_value
```

```
PS C:\nalaiyothiran\Final Deliverables\Flask> pytest -v
===== test session starts =====
platform win32 -- Python 3.8.10, pytest-7.1.0, pluggy-1.0.0 -- c:\users\alloysious\appdata\local\programs\python\python38\python.exe
cachedir: .pytest_cache
rootdir: c:\nalaiyothiran\Final Deliverables\Flask
collected 1 item

test/test_predict_orders.py::test_predict_orders PASSED [100%]

===== 1 passed in 4.78s =====
PS C:\nalaiyothiran\Final Deliverables\Flask> []
```