

**Sprint IV
Testing**

Date	18 Nov 2022
Team ID	PNT2022TMID27576
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	186	169
3.	Homepage featured: No Emailer For Promotion: No OP Area: 2.0 Cuisine: Indian City code: 647 Region code: 56 Category: Beverages	38	41

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:\nalaiyathiran\Final Deliverables\Flask> pytest -v
===== test session starts =====
platform win32 -- Python 3.8.10, pytest-7.2.0, pluggy-1.0.0 -- c:\users\alloysious\appdata\local\programs\python\python38\python.exe
cachedir: .pytest_cache
rootdir: C:\nalaiyathiran\Final Deliverables\Flask
collected 1 item

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

===== 1 passed in 4.70s =====
PS C:\nalaiyathiran\Final Deliverables\Flask>
```