**Test Case Document: Bakery Sales Prediction Script**

**Objective**

Ensure the predict.py script works correctly and handles different scenarios.

**Test Cases**

**✅ Test Case 1: Valid Input N**

* **Input**: python predict.py 5
* **Expected Output**: 5 future dates with predicted sales values
* **Result**: Should print a table with 5 rows

**✅ Test Case 2: N = 0**

* **Input**: python predict.py 0
* **Expected Output**: Informative message like " Please enter a valid integer for number of days.”
* **Result**: Script should exit gracefully

**✅ Test Case 3: Negative N**

* **Input**: python predict.py -3
* **Expected Output**: Error or message: " Please enter a valid integer for number of days."
* **Result**: Script should handle the error without crashing

**✅ Test Case 4: Non-integer Input**

* **Input**: python predict.py abc
* **Expected Output**: Error message: " Please enter a valid integer for number of days."
* **Result**: Script should exit with proper message

**✅ Test Case 5: Missing Dataset File**

* **Scenario**: Delete or rename dataset.csv
* **Expected Output**: Error message: "Dataset not found. Please check the file path."
* **Result**: Script should not crash but report the issue

**✅ Test Case 6: Very Large N (e.g. N = 100)**

* **Input**: python predict.py 100
* **Expected Output**: Script runs successfully and outputs predictions for 100 days
* **Result**: Should not crash or hang

**Notes**

* All test cases assume the model has already been trained and serialized properly.
* Input validation is key to robust script behavior.