Imports and Libraries

```python
import os
import cv2
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
from sklearn.preprocessing import LabelEncoder, StandardScaler
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import accuracy_score, classification_report,
confusion_matrix, precision_recall_curve
from scipy import stats
```

Image Preprocessing and Feature Extraction

```python
def preprocess_image(image_path):
    img = cv2.imread(image_path, cv2.IMREAD_GRAYSCALE)
    if img is None:
        raise FileNotFoundError(f"Image not found or cannot be loaded:
{image_path}")
    _, binary = cv2.threshold(img, 127, 255, cv2.THRESH_BINARY_INV)
    return img, binary

def extract_features(binary_image):
    contours, _ = cv2.findContours(binary_image, cv2.RETR_EXTERNAL,
cv2.CHAIN_APPROX_SIMPLE)
    features = []
    for contour in contours:
        area = cv2.contourArea(contour)
        x, y, w, h = cv2.boundingRect(contour)
        solidity = area / (w * h)
        features.append((area, solidity))
    return features

def assign_label(solidity):
    if solidity > 0.40:
        return "Confidence"
    elif solidity > 0.178:
        return "Confusion"
    elif solidity > 0.01:
        return "Stress"
    else:
        return None
```

Load and Preprocess Images

```python
def load_and_preprocess_images(image_folder):
    images = []
    labels = []
    filenames = []
    for root, _, files in os.walk(image_folder):
        for file in sorted(files):
            if file.lower().endswith(('.jpg', '.png')):
                image_path = os.path.join(root, file)
                img, binary = preprocess_image(image_path)
                features = extract_features(binary)

                if not features:
                    print(f"Warning: No features found in {file}")

                for area, solidity in features:
                    label = assign_label(solidity)
                    if label is None:
                        continue
                    images.append((area, solidity))
                    labels.append(label)
                    filenames.append(file)

    return np.array(images), np.array(labels), filenames
```

Label Summary

```python
def label_summary(labels, filenames, label_encoder):
    original_labels = label_encoder.inverse_transform(labels)

    label_counts = {
        "Confidence": [],
        "Confusion": [],
        "Stress": []
    }

    for label, filename in zip(original_labels, filenames):

        label_counts[label].append(filename)

    print("Label Summary:")
    for label, files in label_counts.items():
        print(f"{label}: {len(files)} image(s)")
        if len(files) > 0:
            print(f"  {', '.join(files[:5])}...")
```

Exploratory Data Analysis (EDA)

```python
dataset_path = r'C:\Users\Laptop\extracted_bubbles\filled_circles'
images, labels, filenames = load_and_preprocess_images(dataset_path)

label_encoder = LabelEncoder()
y_encoded = label_encoder.fit_transform(labels)

areas = [feature[0] for feature in images]
solidities = [feature[1] for feature in images]

df = pd.DataFrame({
    'Filename': filenames,
    'Area': areas,
    'Solidity': solidities,
    'Label': labels
})

print(df.describe())
print(df.head())
print("\n")
label_summary(y_encoded, filenames, label_encoder)

plt.figure(figsize=(8, 6))
sns.histplot(df['Area'], kde=True, color='blue')
plt.title('Distribution of Area')
plt.xlabel('Area')
plt.ylabel('Frequency')
plt.show()

plt.figure(figsize=(8, 6))
sns.histplot(df['Solidity'], kde=True, color='green')
plt.title('Distribution of Solidity')
plt.xlabel('Solidity')
plt.ylabel('Frequency')
plt.show()
```

```
               Area       Solidity
count  11083.000000   11083.000000
mean     397.075702       0.353870
std      535.943015       0.257893
min        0.500000       0.010417
25%        3.000000       0.125000
50%       23.500000       0.250000
75%     1082.500000       0.665654
max     1622.500000       0.865313
              Filename     Area   Solidity         Label
0   circle100_104.png   1251.5   0.782188    Confidence
1   circle100_106.png   1261.0   0.768902    Confidence
2   circle100_109.png   1250.0   0.743605    Confidence
```

```
3   circle100_118.png   1264.0   0.734030   Confidence
4   circle100_125.png   1292.5   0.750581   Confidence


Label Summary:
Confidence: 3667 image(s)
  circle100_104.png, circle100_106.png, circle100_109.png,
circle100_118.png, circle100_125.png...
Confusion: 3559 image(s)
  circle101_223.png, circle102_119.png, circle102_119.png,
circle102_119.png, circle102_127.png...
Stress: 3857 image(s)
  circle102_119.png, circle102_119.png, circle102_127.png,
circle102_170.png, circle102_170.png...
```
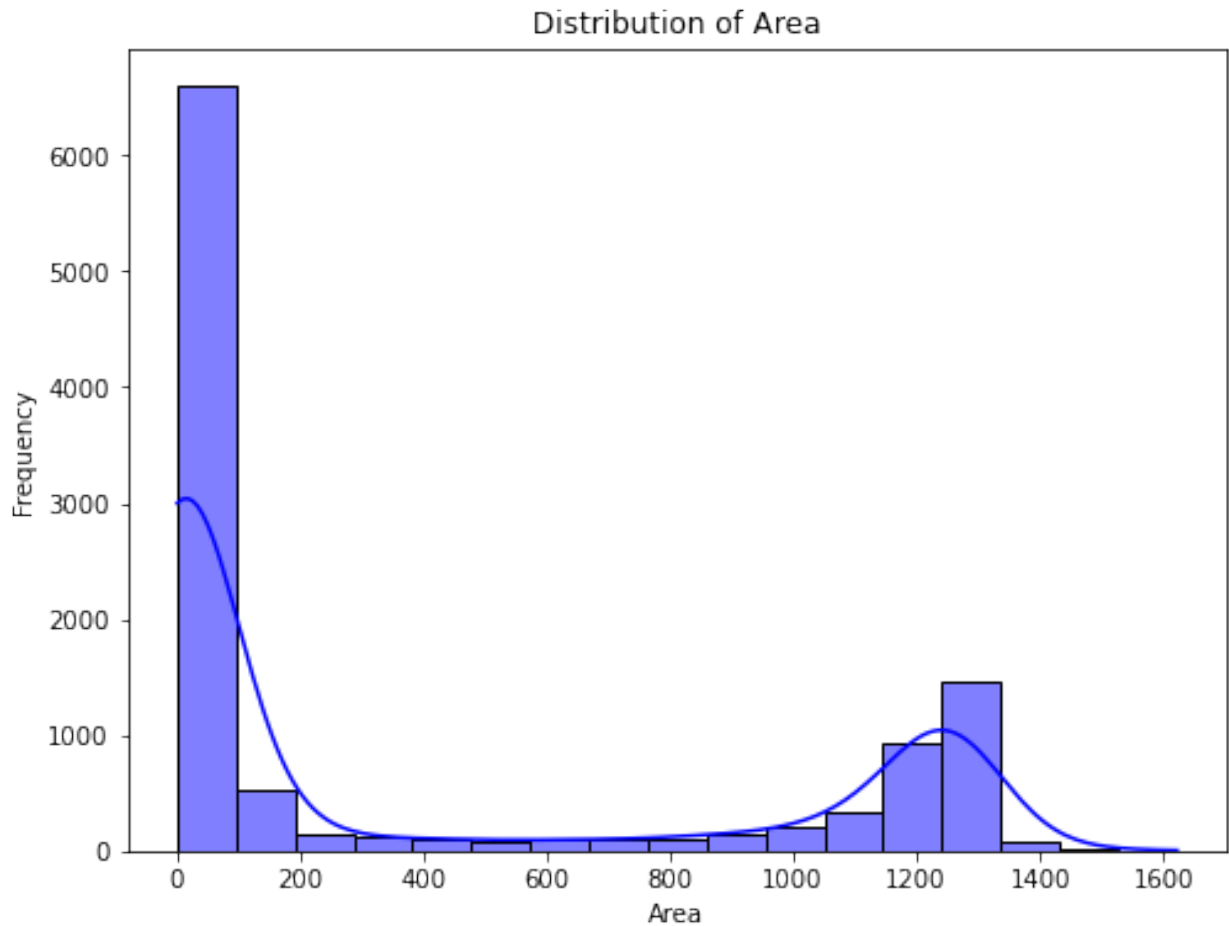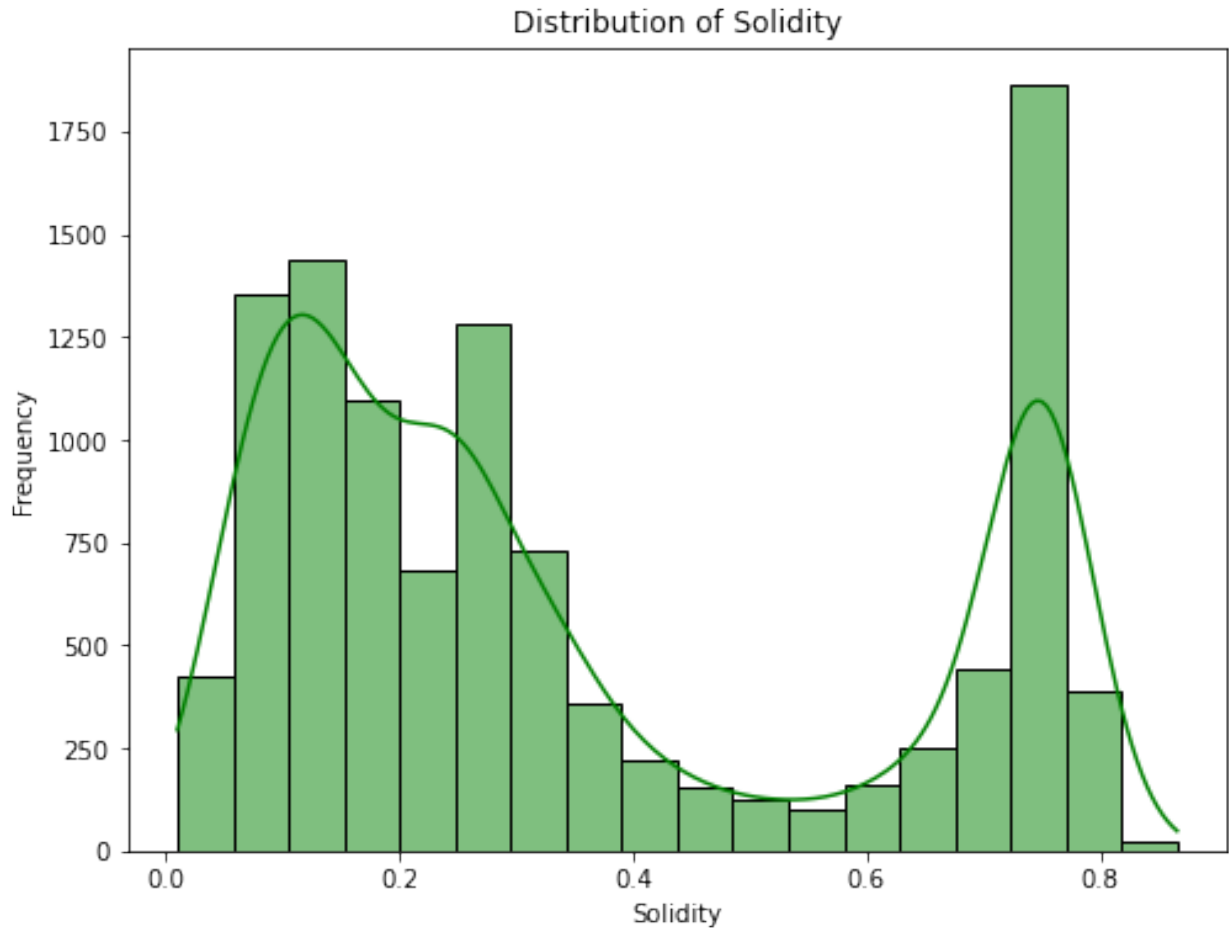

Distribution of Area

Distribution of Solidity

Bivariate Analysis

```
plt.figure(figsize=(8, 6))
sns.scatterplot(x='Area', y='Solidity', hue='Label', data=df,
palette='Set1')
plt.title('Scatter Plot of Area vs Solidity by Label')
plt.xlabel('Area')
plt.ylabel('Solidity')
plt.legend()
plt.show()

correlation_matrix = df[['Area', 'Solidity']].corr()
plt.figure(figsize=(8, 6))
sns.heatmap(correlation_matrix, annot=True, cmap='coolwarm', vmin=-1,
vmax=1)
plt.title('Correlation Heatmap of Area and Solidity')
plt.show()
```

Scatter Plot of Area vs Solidity by Label

Correlation Heatmap of Area and Solidity
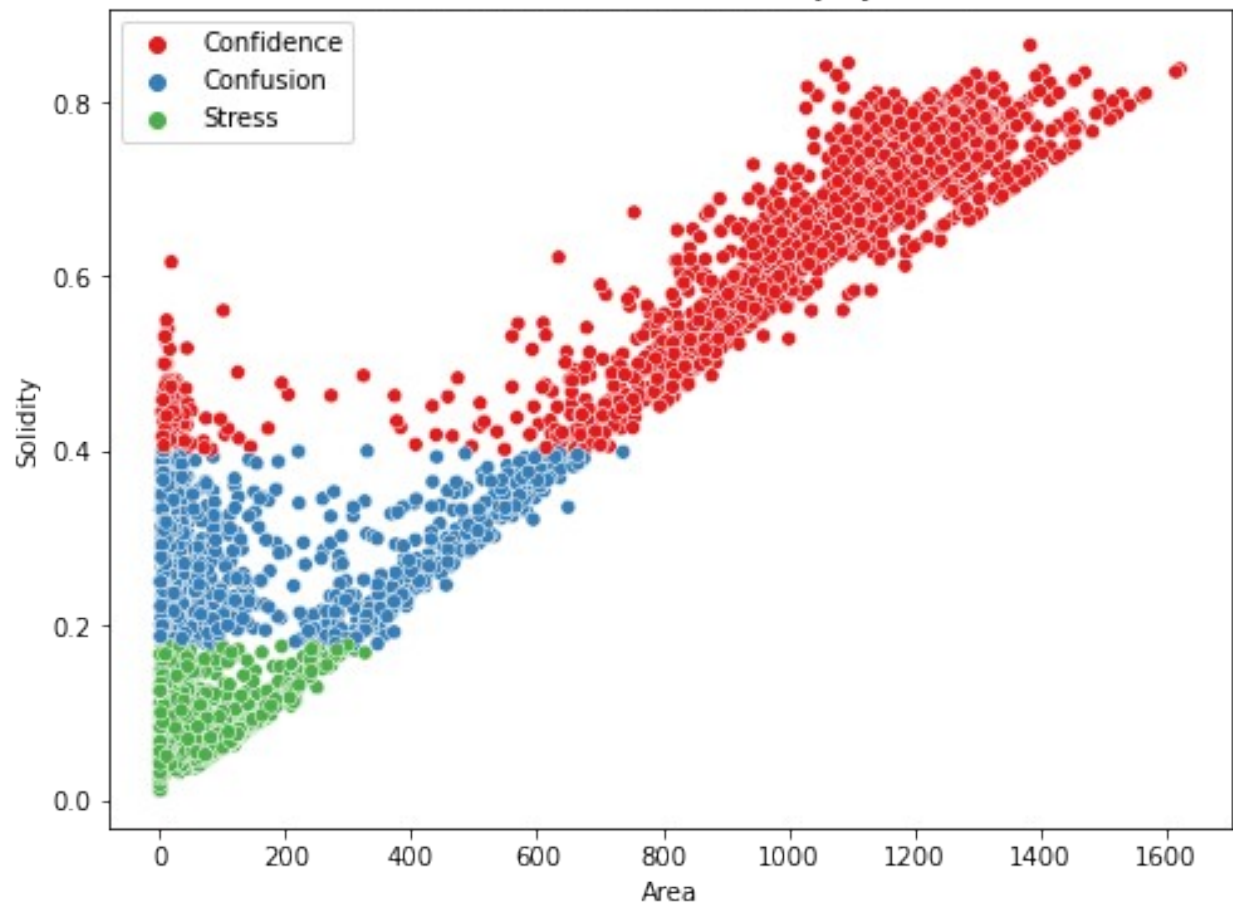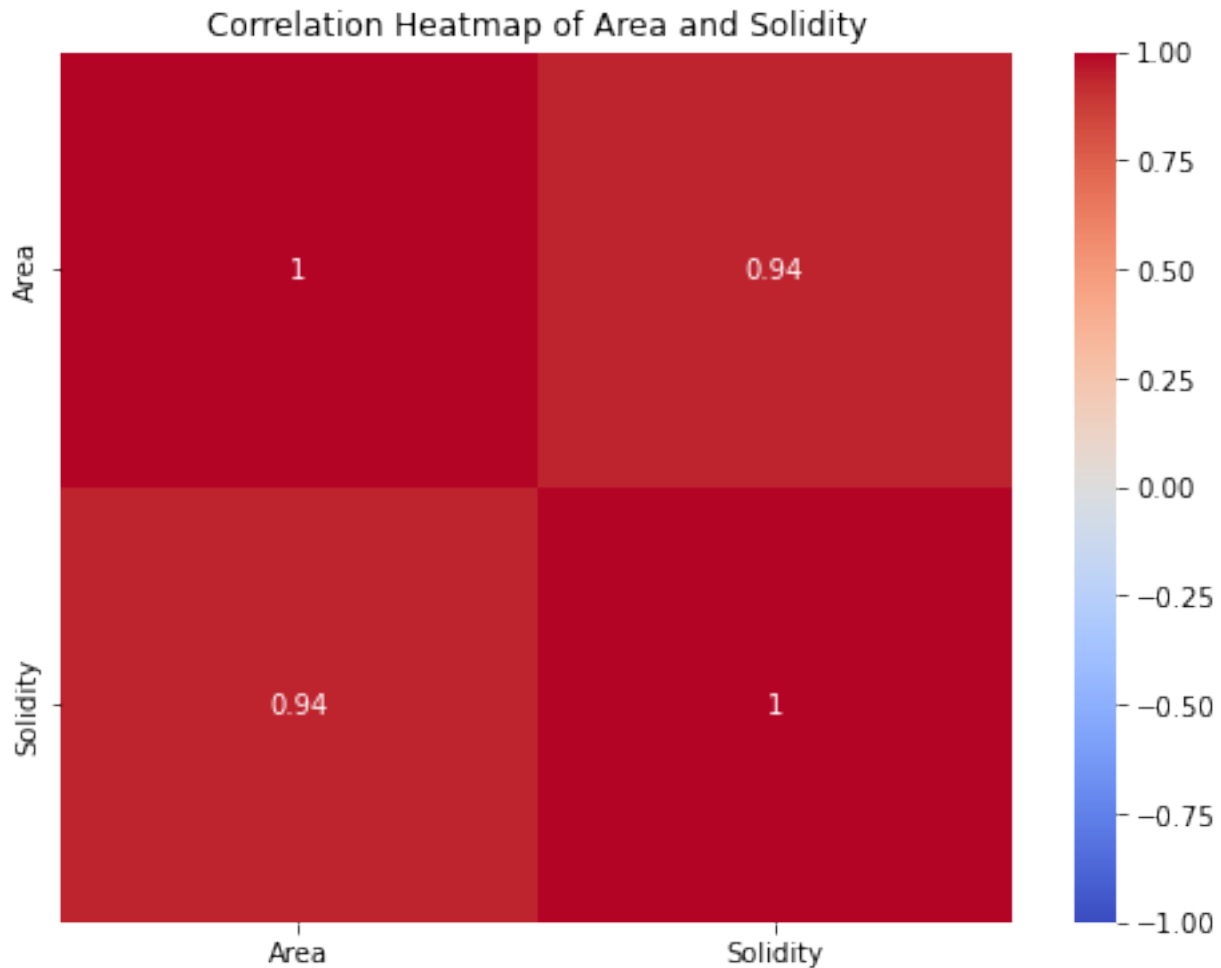
Statistical Tests

```python
stat_area, p_area = stats.shapiro(df['Area'])
stat_solidity, p_solidity = stats.shapiro(df['Solidity'])

print(f"Shapiro-Wilk test for 'Area': Statistic = {stat_area}, p-value
= {p_area}")
print(f"Shapiro-Wilk test for 'Solidity': Statistic = {stat_solidity},
p-value = {p_solidity}")

anova_area = stats.f_oneway(df[df['Label'] == 'Confidence']['Area'],
                            df[df['Label'] == 'Confusion']['Area'],
                            df[df['Label'] == 'Stress']['Area'],
                            df[df['Label'] == 'Not Relevant']['Area'])
print(f"ANOVA test for 'Area' by Label: {anova_area}")

anova_solidity = stats.f_oneway(df[df['Label'] == 'Confidence']
['Solidity'],
```

```
                                        df[df['Label'] == 'Confusion']
['Solidity'],
                                        df[df['Label'] == 'Stress']
['Solidity'],
                                        df[df['Label'] == 'Not Relevant']
['Solidity'])
print(f"ANOVA test for 'Solidity' by Label: {anova_solidity}")

Shapiro-Wilk test for 'Area': Statistic = 0.6846106052398682, p-value
= 0.0
Shapiro-Wilk test for 'Solidity': Statistic = 0.8456391096115112, p-
value = 0.0
ANOVA test for 'Area' by Label: F_onewayResult(statistic=nan,
pvalue=nan)
ANOVA test for 'Solidity' by Label: F_onewayResult(statistic=nan,
pvalue=nan)

c:\Users\Laptop\anaconda3\lib\site-packages\scipy\stats\
morestats.py:1760: UserWarning: p-value may not be accurate for N >
5000.
  warnings.warn("p-value may not be accurate for N > 5000.")
c:\Users\Laptop\anaconda3\lib\site-packages\scipy\stats\stats.py:3621:
F_onewayBadInputSizesWarning: at least one input has length 0
  warnings.warn(F_onewayBadInputSizesWarning('at least one input '
```

Feature Scaling

```
scaler = StandardScaler()
df[['Area', 'Solidity']] = scaler.fit_transform(df[['Area',
'Solidity']])

print(df.head())

          Filename      Area  Solidity       Label
0  circle100_104.png  1.594317  1.660911  Confidence
1  circle100_106.png  1.612043  1.609394  Confidence
2  circle100_109.png  1.591518  1.511297  Confidence
3  circle100_118.png  1.617641  1.474168  Confidence
4  circle100_125.png  1.670821  1.538347  Confidence
```

Class Imbalance

```
plt.figure(figsize=(8, 6))
sns.countplot(x='Label', data=df, palette='Set2')
plt.title('Class Distribution')
plt.show()
```

Class Distribution

Train Model and Evaluation

```
dataset_path = r'C:\Users\Laptop\extracted_bubbles\filled_circles'

X, y, filenames = load_and_preprocess_images(dataset_path)

label_encoder = LabelEncoder()
y_encoded = label_encoder.fit_transform(y)

X_train, X_test, y_train, y_test = train_test_split(images, y_encoded,
test_size=0.2, random_state=42)

model = LogisticRegression(max_iter=1000, multi_class='ovr',
solver='lbfgs')
model.fit(X_train, y_train)

predictions = model.predict(X_test)
accuracy = accuracy_score(y_test, predictions)
report = classification_report(y_test, predictions)
print(f"Accuracy: {accuracy:.2f}")
```

```python
print("Classification Report:\n", report)

cm = confusion_matrix(y_test, predictions)
plt.figure(figsize=(8, 6))
sns.heatmap(cm, annot=True, fmt='d', cmap='Blues',
xticklabels=label_encoder.classes_,
yticklabels=label_encoder.classes_)
plt.title('Confusion Matrix')
plt.xlabel('Predicted')
plt.ylabel('Actual')
plt.show()

y_proba = model.predict_proba(X_test)

plt.figure(figsize=(8, 6))
for i, label in enumerate(label_encoder.classes_):
    precision, recall, _ = precision_recall_curve(y_test == i,
y_proba[:, i])
    plt.plot(recall, precision, label=f'Class: {label}')

plt.title('Precision-Recall Curve for Each Class')
plt.xlabel('Recall')
plt.ylabel('Precision')
plt.legend()
plt.show()
```

```
Accuracy: 0.93
Classification Report:
              precision    recall  f1-score   support

           0       0.94      0.95      0.94       720
           1       0.94      0.84      0.89       723
           2       0.92      1.00      0.96       774

    accuracy                           0.93      2217
   macro avg       0.93      0.93      0.93      2217
weighted avg       0.93      0.93      0.93      2217
```

Confusion Matrix

	Confidence	Confusion	Stress
Confidence	683	37	0
Confusion	44	610	69
Stress	0	0	774

Actual / Predicted

Precision-Recall Curve for Each Class
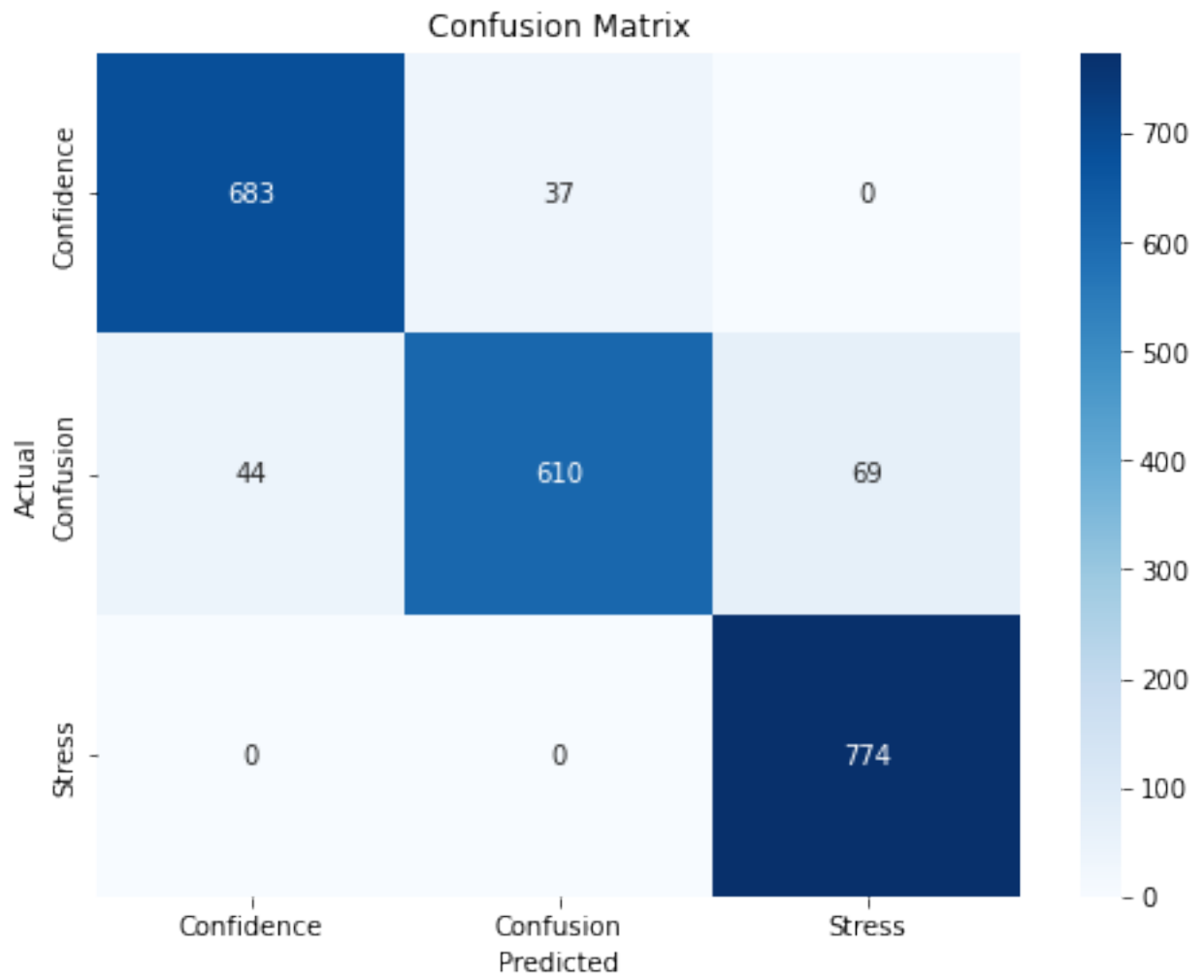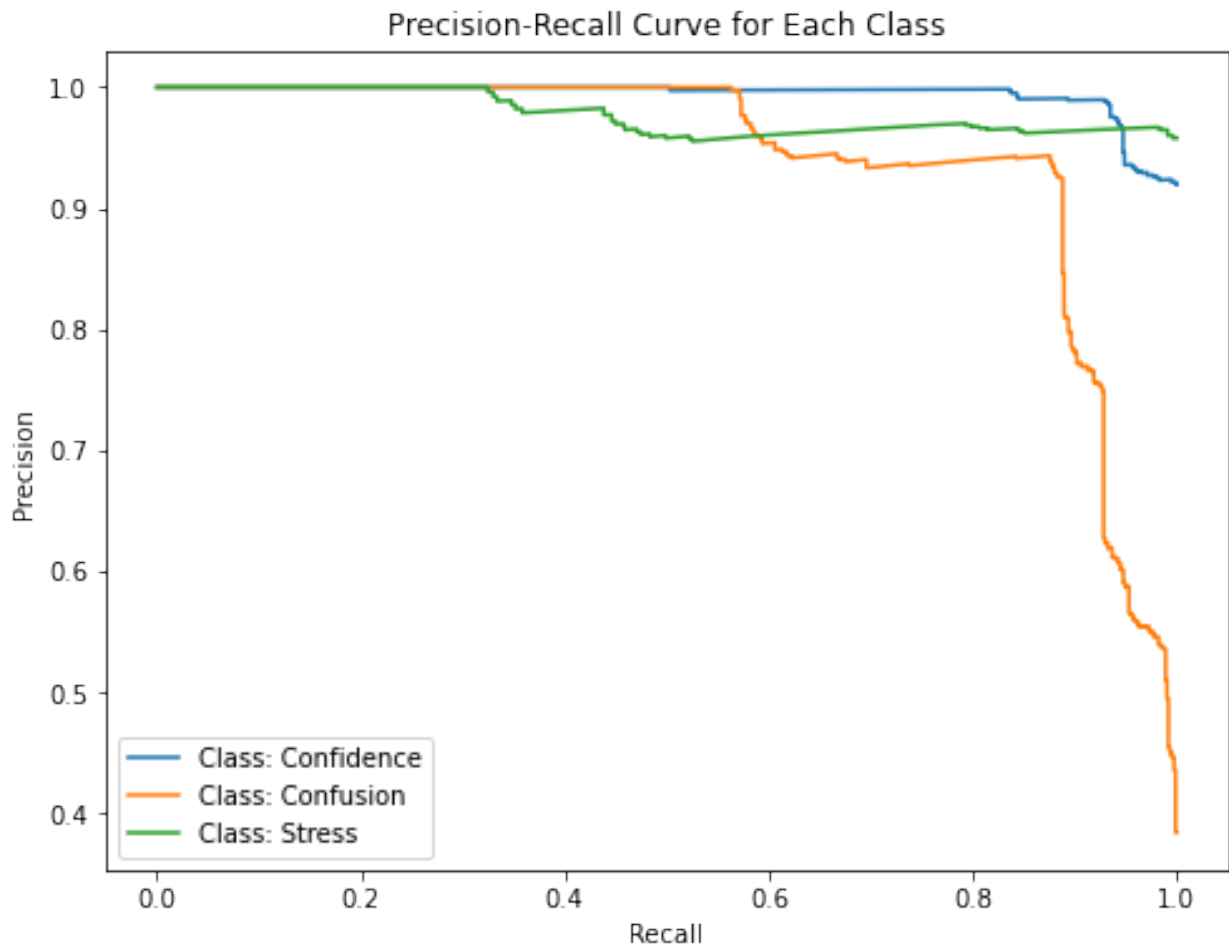
Predicting Label for Images

```python
def result(test_path):

    # Preprocess the single image
    img, binary = preprocess_image(test_path)
    features = extract_features(binary)

    if not features:
        raise ValueError("No features found in the image.")

    # Assuming the first feature set is representative
    area, solidity = features[0]

    # Scale the features
    scaled_features = scaler.transform([[area, solidity]])

    # Predict the label
    predicted_label_encoded = model.predict(scaled_features)
```

```python
    predicted_label = label_encoder.inverse_transform(predicted_label_encoded)

    print(f"Predicted label for the image '{test_path}': {predicted_label[0]}")

    plt.imshow(img, cmap='gray')  # Show the image
    plt.title(f"Predicted label: {predicted_label}")
    plt.axis('off')
    plt.show()

from Bubbles import extract_circles
from anotherBubbles import classify_circles

test_folder = r'C:\Users\Laptop\test'
output_circles_folder = rf'{test_folder}\Extracted_Circles_from_OMR'

print("Starting circle extraction...")
extract_circles(test_folder, output_circles_folder)

print("Starting circle classification...")
classify_circles(output_circles_folder)

filled = r"C:\Users\Laptop\test\Extracted_Circles_from_OMR\filled_circles"
```

```
Starting circle extraction...
1 C:\Users\Laptop\test\1.jpg
Saved circle 1 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_1.png
Saved circle 2 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_2.png
Saved circle 3 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_3.png
Saved circle 4 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_4.png
Saved circle 5 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_5.png
Saved circle 6 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_6.png
Saved circle 7 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_7.png
Saved circle 8 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_8.png
Saved circle 9 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_9.png
Saved circle 10 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_10.png
Saved circle 11 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\circle2_11.png
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Saved circle 12 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_12.png
Saved circle 13 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_13.png
Saved circle 14 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle2_36.png
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circle2_37.png
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circle2_59.png
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circle2_60.png
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circle2_79.png
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circle2_80.png
Saved circle 81 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_81.png
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circle2_82.png
Saved circle 83 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_83.png
Saved circle 84 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_84.png
Saved circle 85 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle2_85.png
Saved circle 86 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_86.png
Saved circle 87 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_87.png
Saved circle 88 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_88.png
Saved circle 89 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle2_102.png
Saved circle 103 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_103.png
Saved circle 104 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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Saved circle 106 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_106.png
Saved circle 107 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_107.png
Saved circle 108 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_108.png
Saved circle 109 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_109.png
```

```
Saved circle 110 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_110.png
Saved circle 111 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_111.png
Saved circle 112 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_112.png
Saved circle 113 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_113.png
Saved circle 114 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_114.png
Saved circle 115 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_115.png
Saved circle 116 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_116.png
Saved circle 117 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_117.png
Saved circle 118 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_118.png
Saved circle 119 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_119.png
Saved circle 120 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_120.png
Saved circle 121 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_121.png
Saved circle 122 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_122.png
Saved circle 123 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_123.png
Saved circle 124 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_124.png
Saved circle 125 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_125.png
Saved circle 126 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_126.png
Saved circle 127 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_127.png
Saved circle 128 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_128.png
Saved circle 129 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_129.png
Saved circle 130 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_130.png
Saved circle 131 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_131.png
Saved circle 132 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_132.png
Saved circle 133 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_133.png
Saved circle 134 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
```

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circle2_134.png
Saved circle 135 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_135.png
Saved circle 136 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_136.png
Saved circle 137 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_137.png
Saved circle 138 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_138.png
Saved circle 139 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_139.png
Saved circle 140 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_140.png
Saved circle 141 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_141.png
Saved circle 142 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_142.png
Saved circle 143 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_143.png
Saved circle 144 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_144.png
Saved circle 145 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_145.png
Saved circle 146 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_146.png
Saved circle 147 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_147.png
Saved circle 148 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_148.png
Saved circle 149 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_149.png
Saved circle 150 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_150.png
Saved circle 151 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_151.png
Saved circle 152 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_152.png
Saved circle 153 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_153.png
Saved circle 154 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_154.png
Saved circle 155 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_155.png
Saved circle 156 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_156.png
Saved circle 157 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_157.png
Saved circle 158 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_158.png
```

```
Saved circle 159 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_159.png
Saved circle 160 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_160.png
Saved circle 161 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_161.png
Saved circle 162 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_162.png
Saved circle 163 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_163.png
Saved circle 164 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_164.png
Saved circle 165 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_165.png
Saved circle 166 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_166.png
Saved circle 167 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_167.png
Saved circle 168 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_168.png
Saved circle 169 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_169.png
Saved circle 170 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_170.png
Saved circle 171 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_171.png
Saved circle 172 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_172.png
Saved circle 173 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_173.png
Saved circle 174 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_174.png
Saved circle 175 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_175.png
Saved circle 176 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_176.png
Saved circle 177 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_177.png
Saved circle 178 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_178.png
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circle2_179.png
Saved circle 180 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_180.png
Saved circle 181 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_181.png
Saved circle 182 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_182.png
Saved circle 183 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
```

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circle2_183.png
Saved circle 184 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_184.png
Saved circle 185 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_185.png
Saved circle 186 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_186.png
Saved circle 187 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_187.png
Saved circle 188 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_188.png
Saved circle 189 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_189.png
Saved circle 190 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_190.png
Saved circle 191 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_191.png
Saved circle 192 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_192.png
Saved circle 193 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_193.png
Saved circle 194 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_194.png
Saved circle 195 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_195.png
Saved circle 196 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_196.png
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circle2_197.png
Saved circle 198 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_198.png
Saved circle 199 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_199.png
Saved circle 200 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_200.png
Saved circle 201 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_201.png
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circle2_202.png
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circle2_203.png
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circle2_204.png
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circle2_205.png
Saved circle 206 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_206.png
Saved circle 207 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_207.png
```

```
Saved circle 208 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_208.png
Saved circle 209 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_209.png
Saved circle 210 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_210.png
Saved circle 211 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_211.png
Saved circle 212 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_212.png
Saved circle 213 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_213.png
Saved circle 214 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_214.png
Saved circle 215 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_215.png
Saved circle 216 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_216.png
Saved circle 217 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_217.png
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circle2_218.png
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circle2_219.png
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circle2_220.png
Saved circle 221 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_221.png
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circle2_222.png
Saved circle 223 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_223.png
Saved circle 224 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_224.png
Saved circle 225 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_225.png
Saved circle 226 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_226.png
Saved circle 227 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_227.png
Saved circle 228 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_228.png
Saved circle 229 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_229.png
Saved circle 230 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_230.png
Saved circle 231 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_231.png
Saved circle 232 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
```

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circle2_232.png
Saved circle 233 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_233.png
Saved circle 234 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_234.png
Saved circle 235 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_235.png
Saved circle 236 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_236.png
Saved circle 237 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_237.png
Saved circle 238 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_238.png
Saved circle 239 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_239.png
Saved circle 240 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_240.png
Saved circle 241 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_241.png
Saved circle 242 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_242.png
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circle2_243.png
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circle2_245.png
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circle2_246.png
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circle2_247.png
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circle2_248.png
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circle2_249.png
Saved circle 250 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_250.png
Saved circle 251 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_251.png
Saved circle 252 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_252.png
Saved circle 253 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle2_253.png
Extracted 253 filled circles and saved them to C:\Users\Laptop\test\
Extracted_Circles_from_OMR.
2 C:\Users\Laptop\test\2.jpg
Saved circle 1 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_1.png
Saved circle 2 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_2.png
```

```
Saved circle 3 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_3.png
Saved circle 4 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_4.png
Saved circle 5 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_5.png
Saved circle 6 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_6.png
Saved circle 7 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_7.png
Saved circle 8 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_8.png
Saved circle 9 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_9.png
Saved circle 10 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_10.png
Saved circle 11 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_11.png
Saved circle 12 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_12.png
Saved circle 13 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_13.png
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circle3_14.png
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circle3_15.png
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circle3_16.png
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circle3_17.png
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circle3_18.png
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circle3_19.png
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circle3_22.png
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circle3_23.png
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circle3_24.png
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circle3_25.png
Saved circle 26 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_26.png
Saved circle 27 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
```

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circle3_27.png
Saved circle 28 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_28.png
Saved circle 29 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_29.png
Saved circle 30 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_30.png
Saved circle 31 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_31.png
Saved circle 32 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_32.png
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circle3_33.png
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circle3_37.png
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circle3_38.png
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circle3_39.png
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circle3_40.png
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circle3_41.png
Saved circle 42 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_42.png
Saved circle 43 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_43.png
Saved circle 44 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_44.png
Saved circle 45 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_45.png
Saved circle 46 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_46.png
Saved circle 47 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_47.png
Saved circle 48 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_48.png
Saved circle 49 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_49.png
Saved circle 50 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_50.png
Saved circle 51 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_51.png
```

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Saved circle 52 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_52.png
Saved circle 53 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_53.png
Saved circle 54 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_54.png
Saved circle 55 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_55.png
Saved circle 56 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_56.png
Saved circle 57 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_57.png
Saved circle 58 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_58.png
Saved circle 59 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_59.png
Saved circle 60 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_60.png
Saved circle 61 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_61.png
Saved circle 62 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_62.png
Saved circle 63 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_63.png
Saved circle 64 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_64.png
Saved circle 65 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_65.png
Saved circle 66 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_66.png
Saved circle 67 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_67.png
Saved circle 68 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_68.png
Saved circle 69 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_69.png
Saved circle 70 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_70.png
Saved circle 71 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_71.png
Saved circle 72 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_72.png
Saved circle 73 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_73.png
Saved circle 74 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_74.png
Saved circle 75 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_75.png
Saved circle 76 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle3_76.png
Saved circle 77 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_77.png
Saved circle 78 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_78.png
Saved circle 79 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_79.png
Saved circle 80 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_80.png
Saved circle 81 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_81.png
Saved circle 82 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_82.png
Saved circle 83 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_83.png
Saved circle 84 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_84.png
Saved circle 85 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_85.png
Saved circle 86 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_86.png
Saved circle 87 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_87.png
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circle3_88.png
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circle3_89.png
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circle3_90.png
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circle3_91.png
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circle3_95.png
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circle3_99.png
Saved circle 100 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_100.png
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Saved circle 101 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_101.png
Saved circle 102 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle3_123.png
Saved circle 124 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_124.png
Saved circle 125 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle3_125.png
Saved circle 126 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_126.png
Saved circle 127 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_127.png
Saved circle 128 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_128.png
Saved circle 129 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_129.png
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circle3_130.png
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circle3_131.png
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circle3_147.png
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circle3_148.png
Saved circle 149 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_149.png
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Saved circle 150 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_150.png
Saved circle 151 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_151.png
Saved circle 152 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_152.png
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circle3_172.png
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circle3_173.png
Saved circle 174 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle3_174.png
Saved circle 175 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_175.png
Saved circle 176 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_176.png
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circle3_197.png
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circle3_198.png
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Saved circle 199 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_199.png
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circle3_222.png
Saved circle 223 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle3_223.png
Saved circle 224 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_224.png
Saved circle 225 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_225.png
Saved circle 226 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_226.png
Saved circle 227 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_227.png
Saved circle 228 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle3_228.png
Extracted 228 filled circles and saved them to C:\Users\Laptop\test\
Extracted_Circles_from_OMR.
3 C:\Users\Laptop\test\3.jpg
Saved circle 1 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_1.png
Saved circle 2 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_2.png
Saved circle 3 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_3.png
Saved circle 4 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_4.png
Saved circle 5 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_5.png
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circle4_6.png
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circle4_7.png
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circle4_8.png
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circle4_18.png
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circle4_19.png
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circle4_41.png
Saved circle 42 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_42.png
Saved circle 43 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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circle4_43.png
Saved circle 44 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_44.png
Saved circle 45 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_45.png
Saved circle 46 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_46.png
Saved circle 47 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_47.png
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circle4_64.png
Saved circle 65 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
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Saved circle 66 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_66.png
Saved circle 67 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_67.png
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Saved circle 68 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_68.png
Saved circle 69 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_69.png
Saved circle 70 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_70.png
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circle4_71.png
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circle4_85.png
Saved circle 86 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_86.png
Saved circle 87 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_87.png
Saved circle 88 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_88.png
Saved circle 89 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_89.png
Saved circle 90 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_90.png
Saved circle 91 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_91.png
Saved circle 92 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
```

```
circle4_92.png
Saved circle 93 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_93.png
Saved circle 94 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_94.png
Saved circle 95 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_95.png
Saved circle 96 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_96.png
Saved circle 97 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_97.png
Saved circle 98 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_98.png
Saved circle 99 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_99.png
Saved circle 100 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_100.png
Saved circle 101 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_101.png
Saved circle 102 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_102.png
Saved circle 103 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_103.png
Saved circle 104 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_104.png
Saved circle 105 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_105.png
Saved circle 106 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_106.png
Saved circle 107 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_107.png
Saved circle 108 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_108.png
Saved circle 109 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_109.png
Saved circle 110 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_110.png
Saved circle 111 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_111.png
Saved circle 112 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_112.png
Saved circle 113 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_113.png
Saved circle 114 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_114.png
Saved circle 115 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_115.png
Saved circle 116 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_116.png
```

```
Saved circle 117 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_117.png
Saved circle 118 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_118.png
Saved circle 119 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_119.png
Saved circle 120 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_120.png
Saved circle 121 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_121.png
Saved circle 122 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_122.png
Saved circle 123 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_123.png
Saved circle 124 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_124.png
Saved circle 125 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_125.png
Saved circle 126 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_126.png
Saved circle 127 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_127.png
Saved circle 128 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_128.png
Saved circle 129 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_129.png
Saved circle 130 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_130.png
Saved circle 131 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_131.png
Saved circle 132 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_132.png
Saved circle 133 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_133.png
Saved circle 134 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_134.png
Saved circle 135 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_135.png
Saved circle 136 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_136.png
Saved circle 137 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_137.png
Saved circle 138 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_138.png
Saved circle 139 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_139.png
Saved circle 140 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_140.png
Saved circle 141 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
```

```
circle4_141.png
Saved circle 142 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_142.png
Saved circle 143 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_143.png
Saved circle 144 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_144.png
Saved circle 145 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_145.png
Saved circle 146 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_146.png
Saved circle 147 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_147.png
Saved circle 148 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_148.png
Saved circle 149 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_149.png
Saved circle 150 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_150.png
Saved circle 151 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_151.png
Saved circle 152 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_152.png
Saved circle 153 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_153.png
Saved circle 154 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_154.png
Saved circle 155 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_155.png
Saved circle 156 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_156.png
Saved circle 157 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_157.png
Saved circle 158 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_158.png
Saved circle 159 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_159.png
Saved circle 160 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_160.png
Saved circle 161 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_161.png
Saved circle 162 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_162.png
Saved circle 163 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_163.png
Saved circle 164 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_164.png
Saved circle 165 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_165.png
```

```
Saved circle 166 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_166.png
Saved circle 167 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_167.png
Saved circle 168 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_168.png
Saved circle 169 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_169.png
Saved circle 170 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_170.png
Saved circle 171 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_171.png
Saved circle 172 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_172.png
Saved circle 173 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_173.png
Saved circle 174 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_174.png
Saved circle 175 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_175.png
Saved circle 176 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_176.png
Saved circle 177 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_177.png
Saved circle 178 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_178.png
Saved circle 179 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_179.png
Saved circle 180 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_180.png
Saved circle 181 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_181.png
Saved circle 182 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_182.png
Saved circle 183 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_183.png
Saved circle 184 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_184.png
Saved circle 185 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_185.png
Saved circle 186 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_186.png
Saved circle 187 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_187.png
Saved circle 188 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_188.png
Saved circle 189 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_189.png
Saved circle 190 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
```

```
circle4_190.png
Saved circle 191 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_191.png
Saved circle 192 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_192.png
Saved circle 193 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_193.png
Saved circle 194 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_194.png
Saved circle 195 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_195.png
Saved circle 196 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_196.png
Saved circle 197 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_197.png
Saved circle 198 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_198.png
Saved circle 199 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_199.png
Saved circle 200 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_200.png
Saved circle 201 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_201.png
Saved circle 202 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_202.png
Saved circle 203 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_203.png
Saved circle 204 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_204.png
Saved circle 205 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_205.png
Saved circle 206 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_206.png
Saved circle 207 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_207.png
Saved circle 208 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_208.png
Saved circle 209 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_209.png
Saved circle 210 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_210.png
Saved circle 211 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_211.png
Saved circle 212 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_212.png
Saved circle 213 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_213.png
Saved circle 214 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_214.png
```

```
Saved circle 215 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_215.png
Saved circle 216 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_216.png
Saved circle 217 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_217.png
Saved circle 218 to C:\Users\Laptop\test\Extracted_Circles_from_OMR\
circle4_218.png
Extracted 218 filled circles and saved them to C:\Users\Laptop\test\
Extracted_Circles_from_OMR.
Starting circle classification...
circle2_1.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_1.png
circle2_10.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_10.png
circle2_100.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_100.png
circle2_101.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_101.png
circle2_102.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_102.png
circle2_103.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_103.png
circle2_104.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_104.png
circle2_105.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_105.png
circle2_106.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_106.png
circle2_107.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_107.png
circle2_108.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_108.png
circle2_109.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_109.png
circle2_11.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_11.png
circle2_110.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_110.png
circle2_111.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_111.png
circle2_112.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_112.png
circle2_113.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_113.png
circle2_114.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_114.png
circle2_115.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_115.png
```

```
circle2_116.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_116.png
circle2_117.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_117.png
circle2_118.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_118.png
circle2_119.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_119.png
circle2_12.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_12.png
circle2_120.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_120.png
circle2_121.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_121.png
circle2_122.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_122.png
circle2_123.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_123.png
circle2_124.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_124.png
circle2_125.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_125.png
circle2_126.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_126.png
circle2_127.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_127.png
circle2_128.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_128.png
circle2_129.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_129.png
circle2_13.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_13.png
circle2_130.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_130.png
circle2_131.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_131.png
circle2_132.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_132.png
circle2_133.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_133.png
circle2_134.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_134.png
circle2_135.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_135.png
circle2_136.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_136.png
circle2_137.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_137.png
circle2_138.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\empty_circles\circle2_138.png
circle2_139.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_139.png
circle2_14.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_14.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_140.png with intensity 166.8279958677686
circle2_140.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_140.png
circle2_141.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_141.png
circle2_142.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_142.png
circle2_143.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_143.png
circle2_144.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_144.png
circle2_145.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_145.png
circle2_146.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_146.png
circle2_147.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_147.png
circle2_148.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_148.png
circle2_149.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_149.png
circle2_15.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_15.png
circle2_150.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_150.png
circle2_151.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_151.png
circle2_152.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_152.png
circle2_153.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_153.png
circle2_154.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_154.png
circle2_155.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_155.png
circle2_156.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_156.png
circle2_157.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_157.png
circle2_158.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_158.png
circle2_159.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_159.png
```

```
circle2_16.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_16.png
circle2_160.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_160.png
circle2_161.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_161.png
circle2_162.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_162.png
circle2_163.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_163.png
circle2_164.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_164.png
circle2_165.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_165.png
circle2_166.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_166.png
circle2_167.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_167.png
circle2_168.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_168.png
circle2_169.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_169.png
circle2_17.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_17.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_170.png with intensity 162.50850340136054
circle2_170.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_170.png
circle2_171.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_171.png
circle2_172.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_172.png
circle2_173.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_173.png
circle2_174.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_174.png
circle2_175.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_175.png
circle2_176.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_176.png
circle2_177.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_177.png
circle2_178.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_178.png
circle2_179.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_179.png
circle2_18.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_18.png
circle2_180.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_180.png
```

```
circle2_181.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_181.png
circle2_182.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_182.png
circle2_183.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_183.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_184.png with intensity 161.78174603174602
circle2_184.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_184.png
circle2_185.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_185.png
circle2_186.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_186.png
circle2_187.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_187.png
circle2_188.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_188.png
circle2_189.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_189.png
circle2_19.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_19.png
circle2_190.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_190.png
circle2_191.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_191.png
circle2_192.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_192.png
circle2_193.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_193.png
circle2_194.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_194.png
circle2_195.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_195.png
circle2_196.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_196.png
circle2_197.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_197.png
circle2_198.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_198.png
circle2_199.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_199.png
circle2_2.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_2.png
circle2_20.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_20.png
circle2_200.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_200.png
circle2_201.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\empty_circles\circle2_201.png
circle2_202.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_202.png
circle2_203.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_203.png
circle2_204.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_204.png
circle2_205.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_205.png
circle2_206.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_206.png
circle2_207.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_207.png
circle2_208.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_208.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_209.png with intensity 168.1193181818182
circle2_209.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_209.png
circle2_21.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_21.png
circle2_210.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_210.png
circle2_211.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_211.png
circle2_212.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_212.png
circle2_213.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_213.png
circle2_214.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_214.png
circle2_215.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_215.png
circle2_216.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_216.png
circle2_217.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_217.png
circle2_218.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_218.png
circle2_219.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_219.png
circle2_22.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_22.png
circle2_220.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_220.png
circle2_221.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_221.png
circle2_222.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_222.png
```

```
circle2_223.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_223.png
circle2_224.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_224.png
circle2_225.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_225.png
circle2_226.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_226.png
circle2_227.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_227.png
circle2_228.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_228.png
circle2_229.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_229.png
circle2_23.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_23.png
circle2_230.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_230.png
circle2_231.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_231.png
circle2_232.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_232.png
circle2_233.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_233.png
circle2_234.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_234.png
circle2_235.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_235.png
circle2_236.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_236.png
circle2_237.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_237.png
circle2_238.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_238.png
circle2_239.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_239.png
circle2_24.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_24.png
circle2_240.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_240.png
circle2_241.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_241.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_242.png with intensity 165.741512345679
circle2_242.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_242.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_243.png with intensity 180.38850415512465
circle2_243.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\letter_circles\circle2_243.png
circle2_244.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_244.png
circle2_245.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_245.png
circle2_246.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_246.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_247.png with intensity 162.1820987654321
circle2_247.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_247.png
circle2_248.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_248.png
circle2_249.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_249.png
circle2_25.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_25.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_250.png with intensity 171.47853185595568
circle2_250.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_250.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_251.png with intensity 192.3393351800554
circle2_251.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_251.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_252.png with intensity 177.410625
circle2_252.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_252.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle2_253.png with intensity 187.00925925925927
circle2_253.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle2_253.png
circle2_26.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_26.png
circle2_27.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_27.png
circle2_28.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_28.png
circle2_29.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_29.png
circle2_3.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_3.png
circle2_30.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_30.png
circle2_31.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_31.png
circle2_32.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_32.png
```

```
circle2_33.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_33.png
circle2_34.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_34.png
circle2_35.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_35.png
circle2_36.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_36.png
circle2_37.png classified as C:\Users\Laptop\test\
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circle2_38.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_38.png
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Extracted_Circles_from_OMR\empty_circles\circle2_39.png
circle2_4.png classified as C:\Users\Laptop\test\
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circle2_48.png classified as C:\Users\Laptop\test\
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circle2_51.png classified as C:\Users\Laptop\test\
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circle2_52.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_52.png
circle2_53.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_53.png
circle2_54.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_54.png
circle2_55.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\empty_circles\circle2_55.png
circle2_56.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_56.png
circle2_57.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_57.png
circle2_58.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_58.png
circle2_59.png classified as C:\Users\Laptop\test\
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circle2_6.png classified as C:\Users\Laptop\test\
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circle2_60.png classified as C:\Users\Laptop\test\
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circle2_61.png classified as C:\Users\Laptop\test\
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circle2_62.png classified as C:\Users\Laptop\test\
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Extracted_Circles_from_OMR\empty_circles\circle2_64.png
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circle2_69.png classified as C:\Users\Laptop\test\
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circle2_7.png classified as C:\Users\Laptop\test\
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circle2_70.png classified as C:\Users\Laptop\test\
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circle2_71.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_71.png
circle2_72.png classified as C:\Users\Laptop\test\
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circle2_73.png classified as C:\Users\Laptop\test\
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circle2_74.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_74.png
circle2_75.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_75.png
circle2_76.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_76.png
circle2_77.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_77.png
```

```
circle2_78.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_78.png
circle2_79.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_79.png
circle2_8.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_8.png
circle2_80.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_80.png
circle2_81.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_81.png
circle2_82.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_82.png
circle2_83.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_83.png
circle2_84.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_84.png
circle2_85.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_85.png
circle2_86.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_86.png
circle2_87.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_87.png
circle2_88.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_88.png
circle2_89.png classified as C:\Users\Laptop\test\
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circle2_9.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_9.png
circle2_90.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_90.png
circle2_91.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_91.png
circle2_92.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_92.png
circle2_93.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_93.png
circle2_94.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_94.png
circle2_95.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_95.png
circle2_96.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_96.png
circle2_97.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_97.png
circle2_98.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle2_98.png
circle2_99.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_99.png
circle3_1.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\empty_circles\circle3_1.png
circle3_10.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_10.png
circle3_100.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_100.png
circle3_101.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_101.png
circle3_102.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_102.png
circle3_103.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_103.png
circle3_104.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_104.png
circle3_105.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_105.png
circle3_106.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_106.png
circle3_107.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_107.png
circle3_108.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_108.png
circle3_109.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_109.png
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Extracted_Circles_from_OMR\empty_circles\circle3_11.png
circle3_110.png classified as C:\Users\Laptop\test\
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Extracted_Circles_from_OMR\empty_circles\circle3_111.png
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Extracted_Circles_from_OMR\empty_circles\circle3_112.png
circle3_113.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_113.png
circle3_114.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_114.png
circle3_115.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_115.png
circle3_116.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_116.png
circle3_117.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_117.png
circle3_118.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_118.png
circle3_119.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_119.png
circle3_12.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_12.png
circle3_120.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_120.png
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circle3_121.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_121.png
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circle3_123.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_123.png
circle3_124.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_124.png
circle3_125.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_125.png
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Extracted_Circles_from_OMR\empty_circles\circle3_126.png
circle3_127.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_127.png
circle3_128.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_128.png
circle3_129.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_129.png
circle3_13.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_13.png
circle3_130.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_130.png
circle3_131.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_131.png
circle3_132.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_132.png
circle3_133.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_133.png
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Extracted_Circles_from_OMR\empty_circles\circle3_135.png
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Extracted_Circles_from_OMR\empty_circles\circle3_136.png
circle3_137.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_137.png
circle3_138.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_138.png
circle3_139.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_139.png
circle3_14.png classified as C:\Users\Laptop\test\
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circle3_140.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_140.png
circle3_141.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_141.png
circle3_142.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_142.png
circle3_143.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\empty_circles\circle3_143.png
circle3_144.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_144.png
circle3_145.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_145.png
circle3_146.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_146.png
circle3_147.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_147.png
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Extracted_Circles_from_OMR\filled_circles\circle3_148.png
circle3_149.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_149.png
circle3_15.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_15.png
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Extracted_Circles_from_OMR\empty_circles\circle3_150.png
circle3_151.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_151.png
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Extracted_Circles_from_OMR\empty_circles\circle3_152.png
circle3_153.png classified as C:\Users\Laptop\test\
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circle3_154.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_154.png
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Extracted_Circles_from_OMR\empty_circles\circle3_156.png
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circle3_158.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_158.png
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Extracted_Circles_from_OMR\empty_circles\circle3_16.png
circle3_160.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_160.png
circle3_161.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_161.png
circle3_162.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_162.png
circle3_163.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_163.png
circle3_164.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_164.png
circle3_165.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_165.png
```

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circle3_166.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_166.png
circle3_167.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_167.png
circle3_168.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_168.png
circle3_169.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_169.png
circle3_17.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_17.png
circle3_170.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_170.png
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circle3_172.png classified as C:\Users\Laptop\test\
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circle3_187.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_187.png
circle3_188.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_188.png
```

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circle3_189.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_189.png
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Extracted_Circles_from_OMR\filled_circles\circle3_195.png
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Extracted_Circles_from_OMR\empty_circles\circle3_208.png
circle3_209.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_209.png
circle3_21.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\empty_circles\circle3_21.png
circle3_210.png classified as C:\Users\Laptop\test\
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Extracted_Circles_from_OMR\filled_circles\circle3_226.png
C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle3_227.png with intensity 194.22222222222223
circle3_227.png classified as C:\Users\Laptop\test\
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C:\Users\Laptop\test\Extracted_Circles_from_OMR\letter_circles\
circle3_228.png with intensity 192.3780864197531
circle3_228.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\letter_circles\circle3_228.png
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Extracted_Circles_from_OMR\empty_circles\circle3_23.png
circle3_24.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_24.png
```

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circle3_25.png classified as C:\Users\Laptop\test\
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circle3_47.png classified as C:\Users\Laptop\test\
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circle3_50.png classified as C:\Users\Laptop\test\
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circle3_51.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle3_51.png
circle3_52.png classified as C:\Users\Laptop\test\
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Extracted_Circles_from_OMR\filled_circles\circle3_65.png
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Extracted_Circles_from_OMR\filled_circles\circle3_69.png

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circle3_90.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_90.png
circle3_91.png classified as C:\Users\Laptop\test\
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Extracted_Circles_from_OMR\empty_circles\circle3_91.png
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Extracted_Circles_from_OMR\filled_circles\circle3_95.png
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circle4_112.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_112.png
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Extracted_Circles_from_OMR\filled_circles\circle4_134.png
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Extracted_Circles_from_OMR\empty_circles\circle4_157.png

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Extracted_Circles_from_OMR\empty_circles\circle4_25.png
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circle4_35.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_35.png
circle4_36.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_36.png
circle4_37.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_37.png
circle4_38.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_38.png
circle4_39.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_39.png
circle4_4.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_4.png
circle4_40.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_40.png
circle4_41.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_41.png
circle4_42.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_42.png
circle4_43.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_43.png
circle4_44.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_44.png
circle4_45.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_45.png
circle4_46.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_46.png
circle4_47.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_47.png
circle4_48.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\empty_circles\circle4_48.png
circle4_49.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_49.png
circle4_5.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_5.png
circle4_50.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_50.png
circle4_51.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_51.png
circle4_52.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_52.png
circle4_53.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_53.png
circle4_54.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_54.png
circle4_55.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_55.png
circle4_56.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_56.png
circle4_57.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_57.png
circle4_58.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_58.png
circle4_59.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_59.png
circle4_6.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_6.png
circle4_60.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_60.png
circle4_61.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_61.png
circle4_62.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_62.png
circle4_63.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_63.png
circle4_64.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_64.png
circle4_65.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_65.png
circle4_66.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_66.png
circle4_67.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_67.png
circle4_68.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_68.png
circle4_69.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_69.png
circle4_7.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_7.png
```

```
circle4_70.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_70.png
circle4_71.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_71.png
circle4_72.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_72.png
circle4_73.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_73.png
circle4_74.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_74.png
circle4_75.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_75.png
circle4_76.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_76.png
circle4_77.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_77.png
circle4_78.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_78.png
circle4_79.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_79.png
circle4_8.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_8.png
circle4_80.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_80.png
circle4_81.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_81.png
circle4_82.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_82.png
circle4_83.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_83.png
circle4_84.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_84.png
circle4_85.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_85.png
circle4_86.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_86.png
circle4_87.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_87.png
circle4_88.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_88.png
circle4_89.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_89.png
circle4_9.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_9.png
circle4_90.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_90.png
circle4_91.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_91.png
circle4_92.png classified as C:\Users\Laptop\test\
```

```
Extracted_Circles_from_OMR\filled_circles\circle4_92.png
circle4_93.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_93.png
circle4_94.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_94.png
circle4_95.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_95.png
circle4_96.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_96.png
circle4_97.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_97.png
circle4_98.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_98.png
circle4_99.png classified as C:\Users\Laptop\test\
Extracted_Circles_from_OMR\empty_circles\circle4_99.png
Circles classified and saved into separate folders!
Empty circles: 552
Filled circles: 132, at C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles
Letter circles: 15
```

```python
for each_circle in os.listdir(filled):
    result(os.path.join(filled, each_circle))
    # print(each_circle)
```

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_111.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
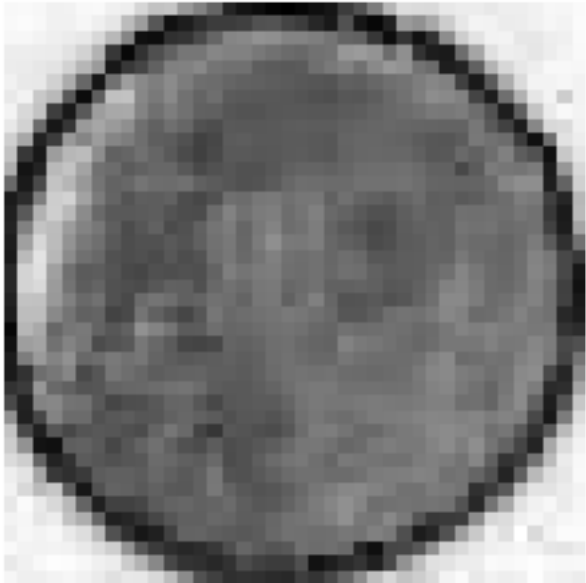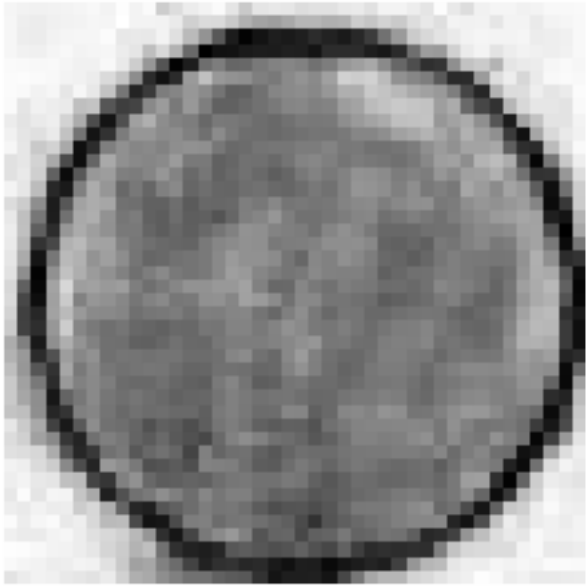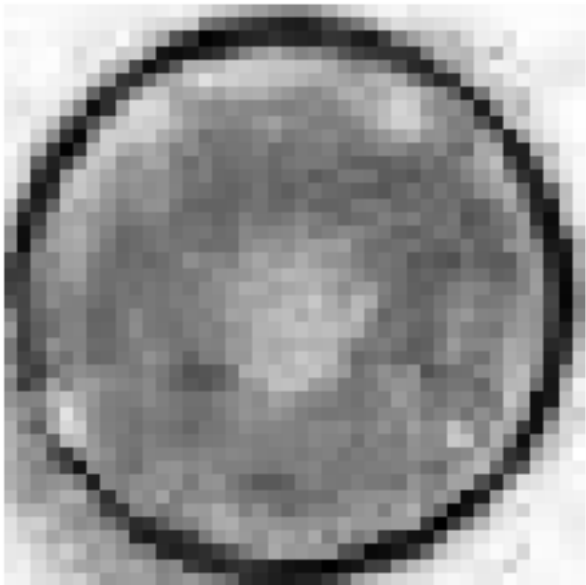
Predicted label: ['Confusion']
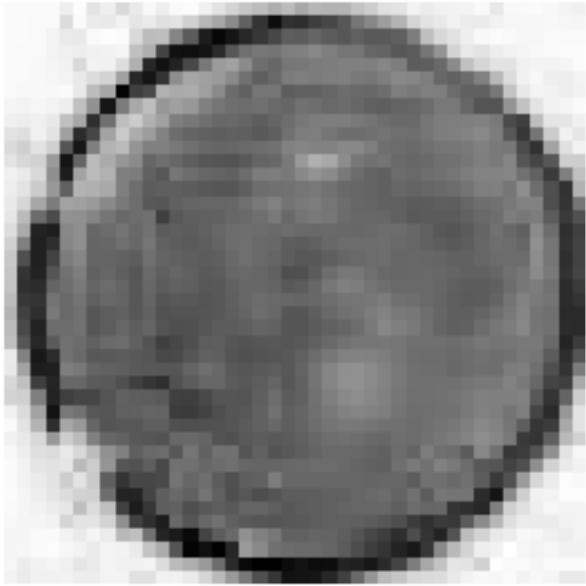
```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_112.png': Confusion
```
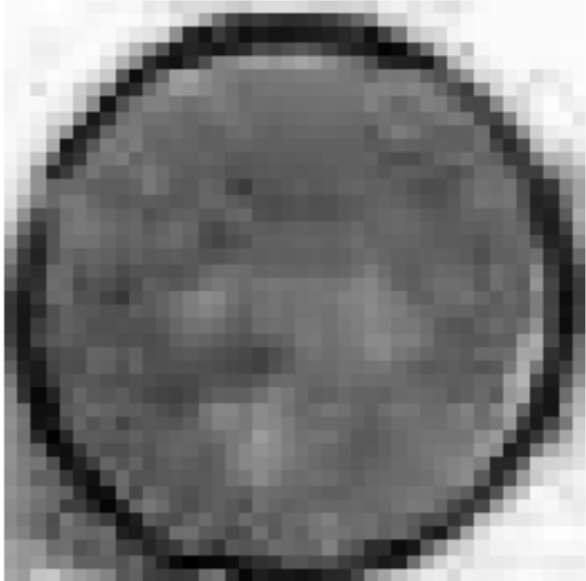

Predicted label: ['Confusion']
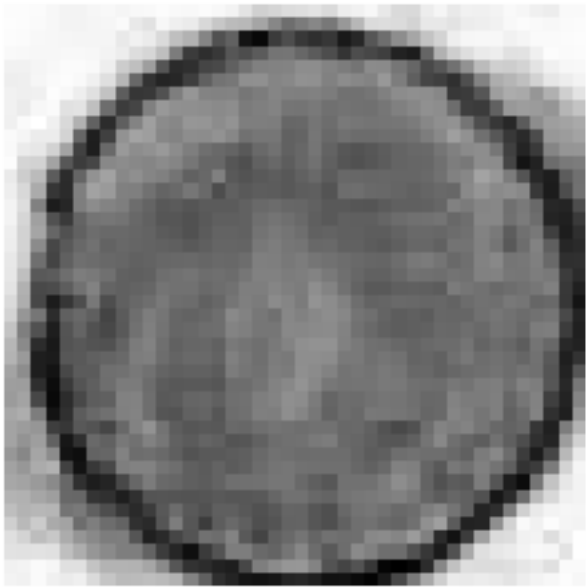
```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_116.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
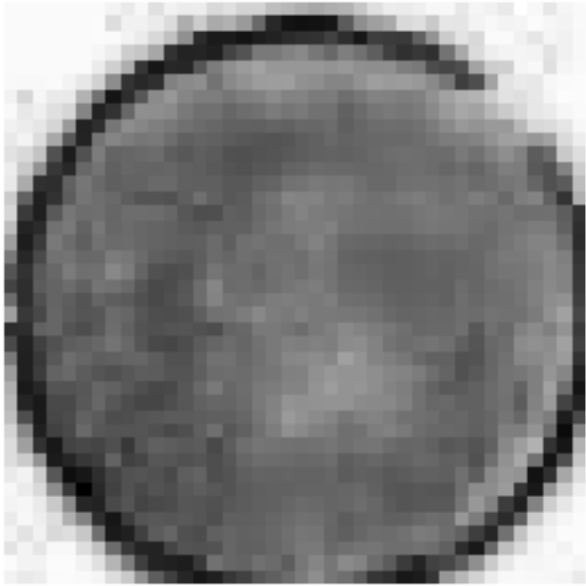

Predicted label: ['Confusion']
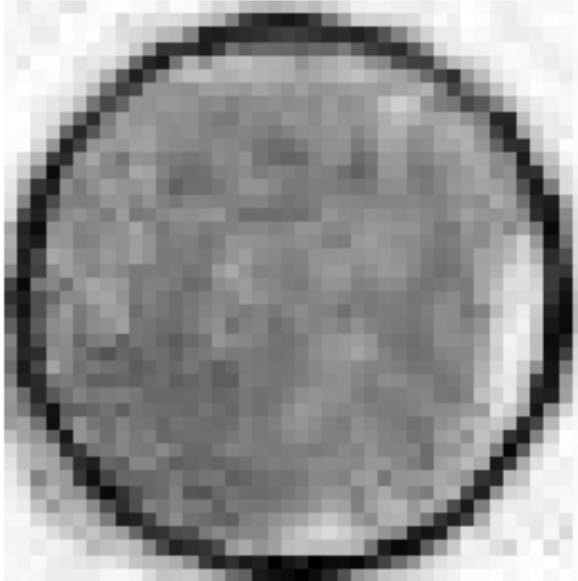
```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_117.png': Confusion
```

Predicted label: ['Confusion']
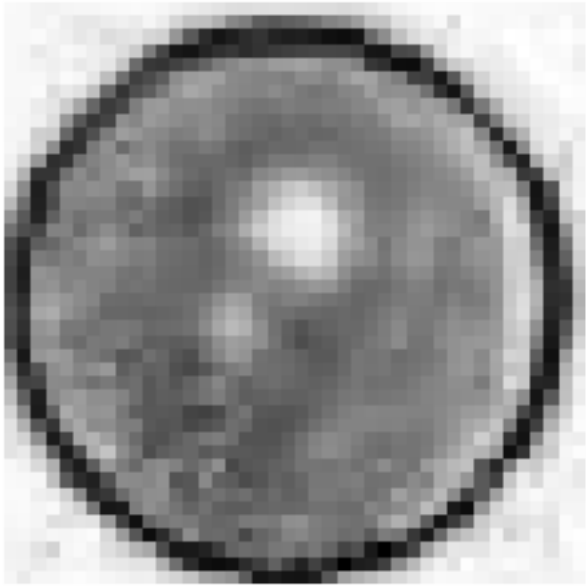
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_120.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
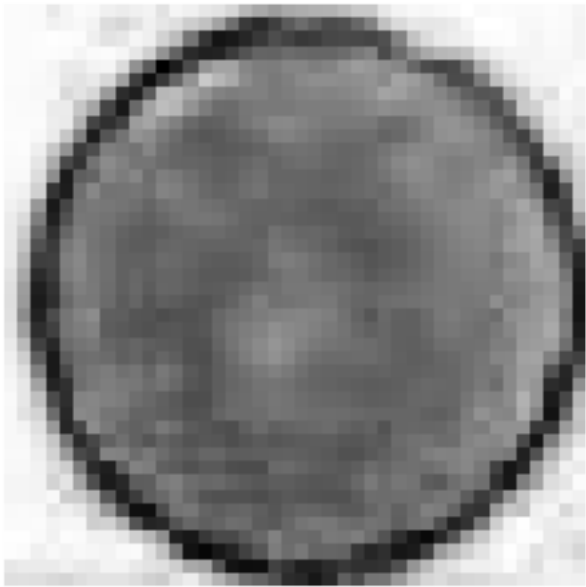was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']
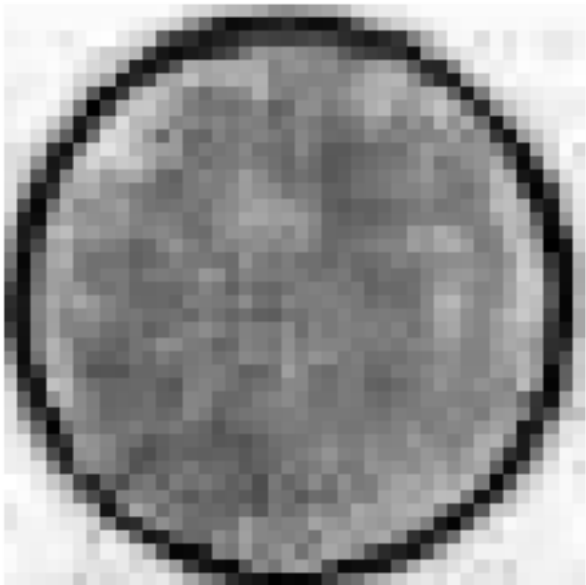
```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_128.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
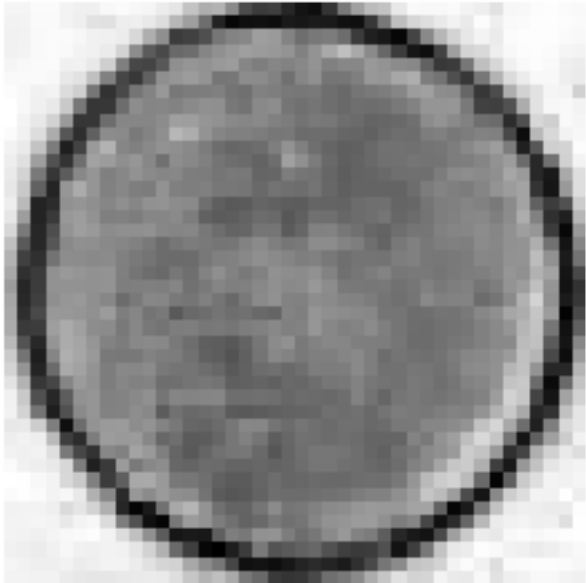
Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_135.png': Confusion
```

Predicted label: ['Confusion']
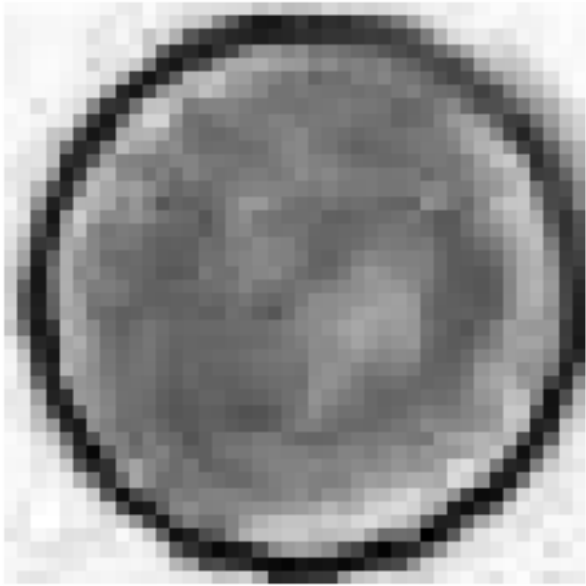

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_149.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Stress']
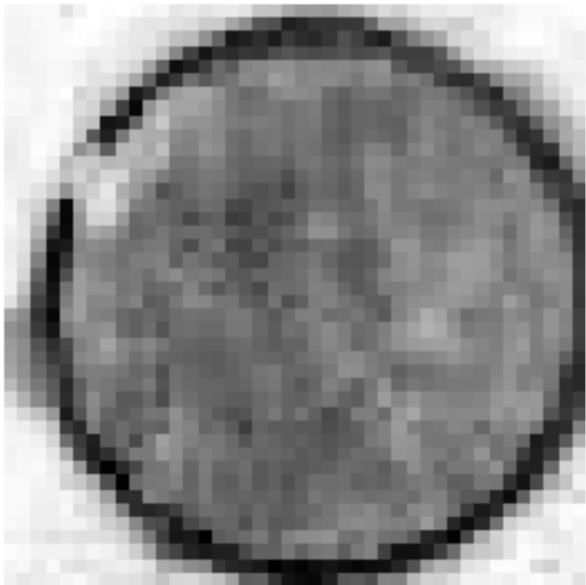
```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_154.png': Confusion
```

Predicted label: ['Confusion']
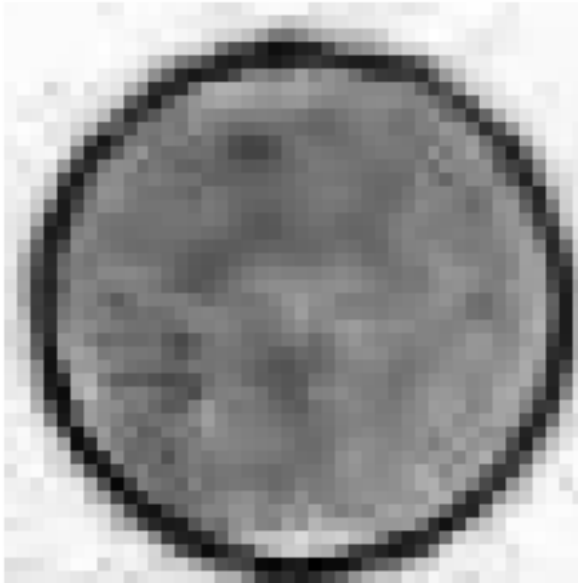

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_155.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Stress']
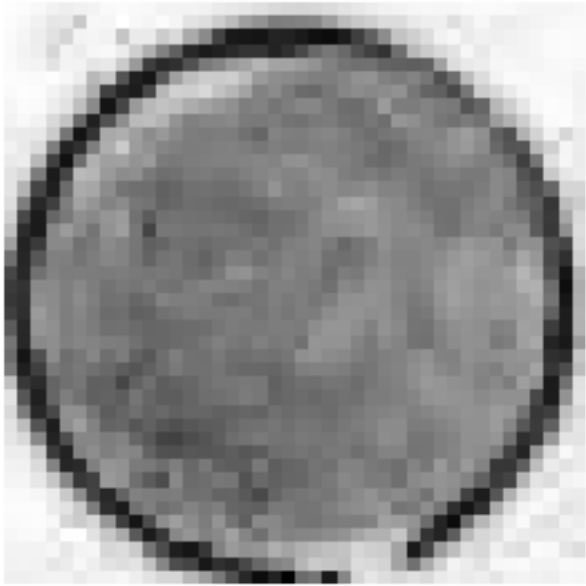

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_162.png': Stress
```

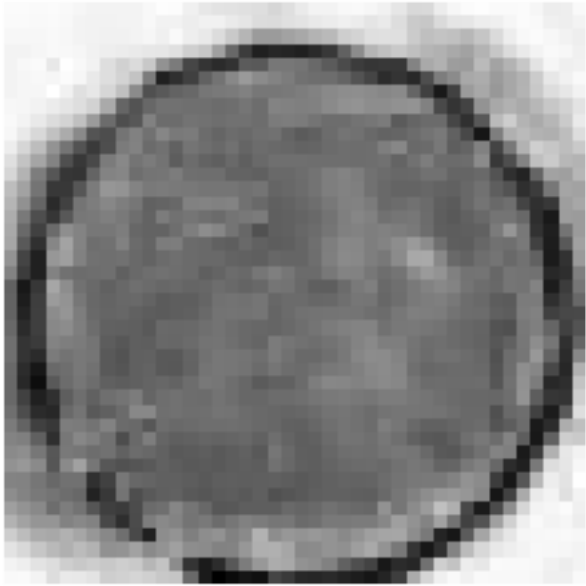Predicted label: ['Stress']
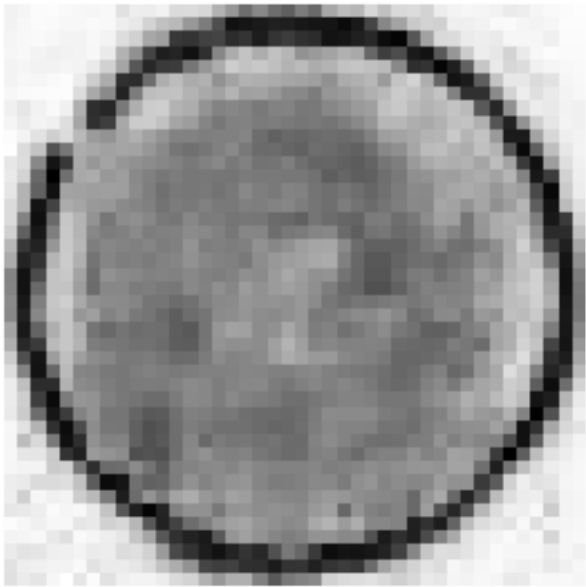
```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_169.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Stress']
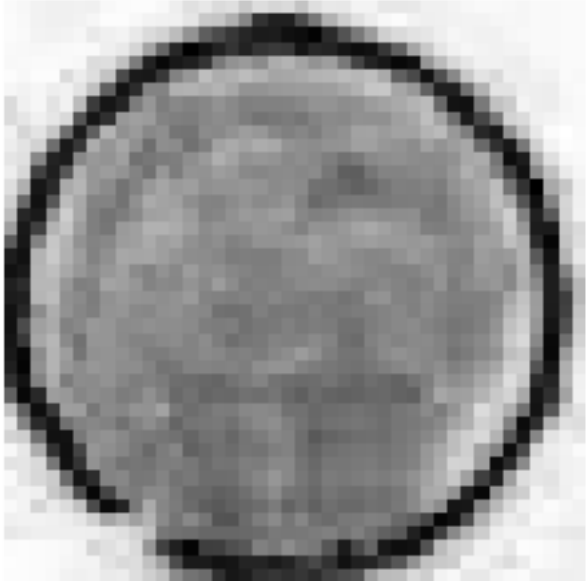

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_172.png': Confusion
```
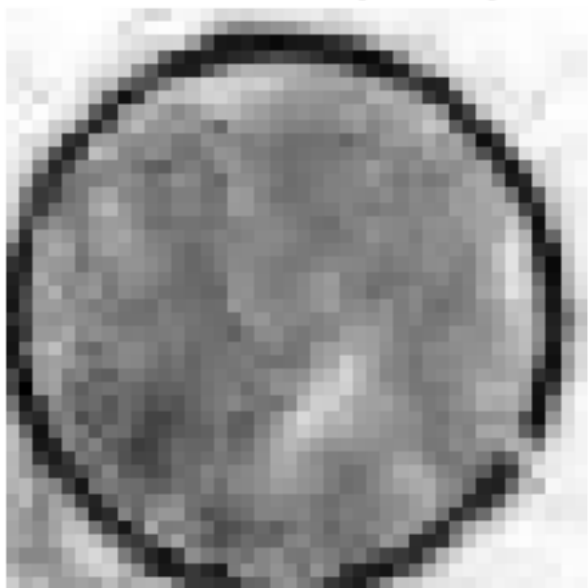
Predicted label: ['Confusion']
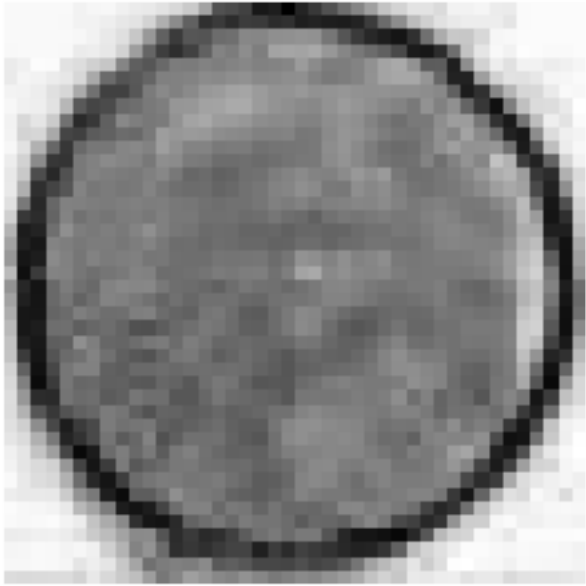

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_175.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
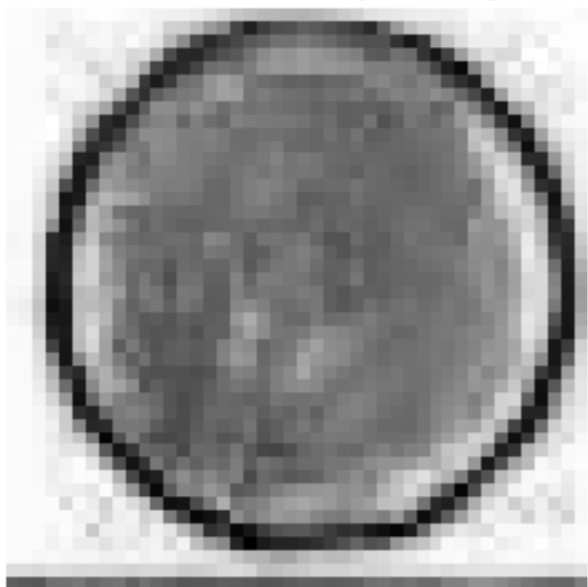
Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_177.png': Confusion
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_183.png': Confusion
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_187.png': Stress
```
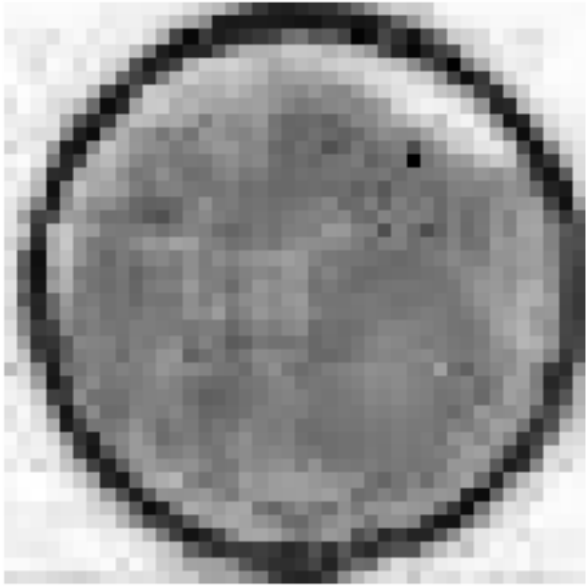
Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_193.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_196.png': Confusion

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_197.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
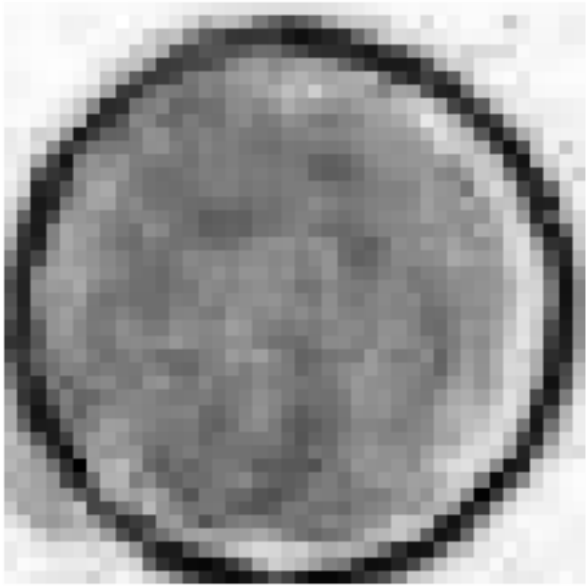was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_20.png': Confusion
```
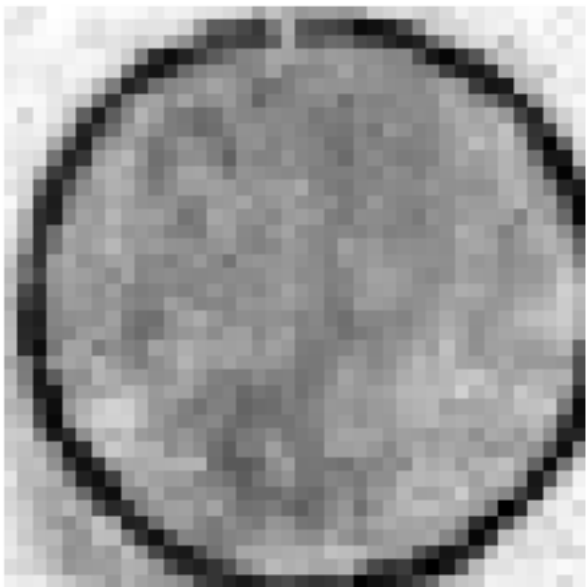
Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_204.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Stress']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_215.png': Confusion

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_216.png': Stress
```
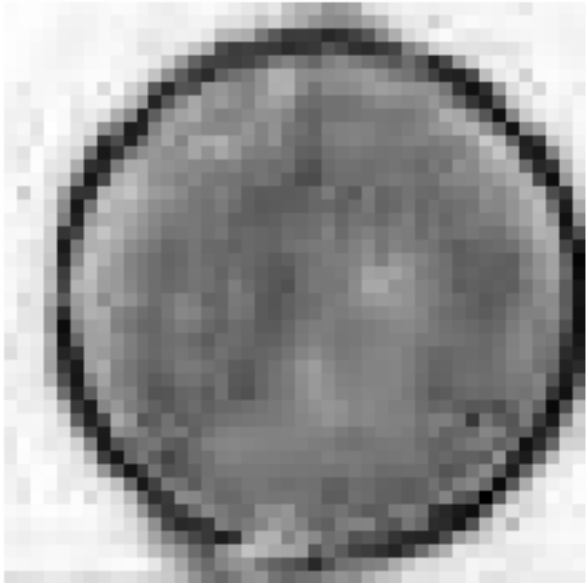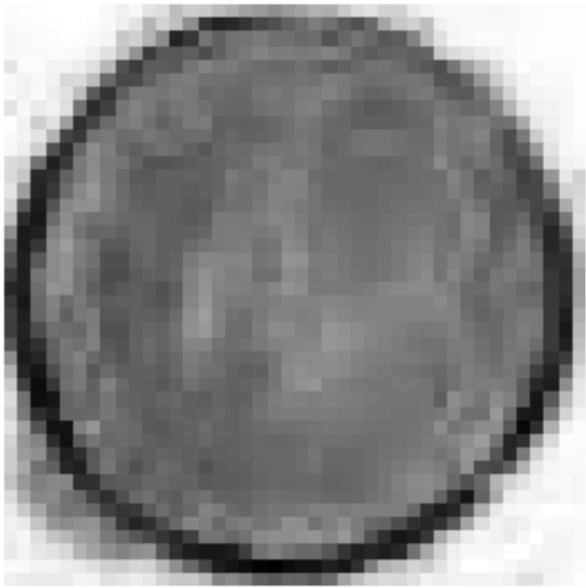
Predicted label: ['Stress']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_222.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
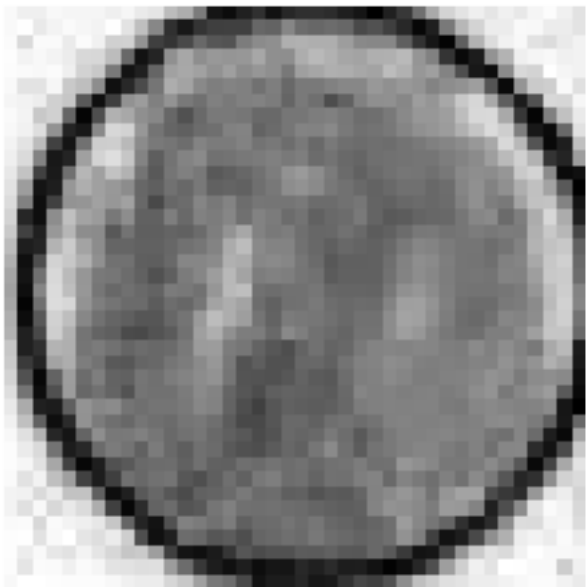
Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_225.png': Stress
```

Predicted label: ['Stress']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_226.png': Confusion
```
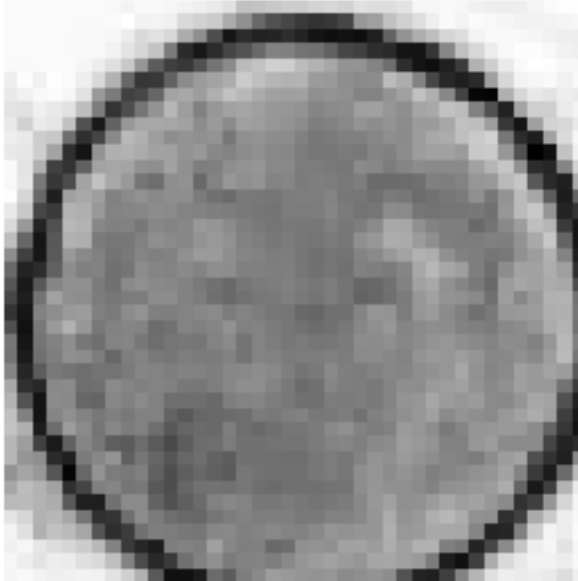
Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_230.png': Stress
```
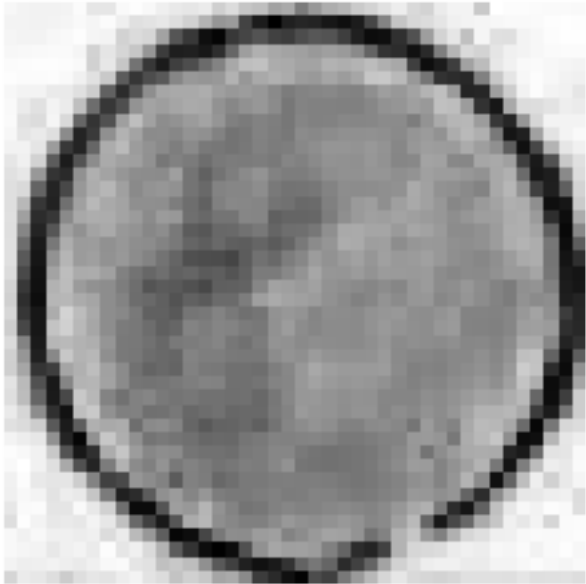
Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_234.png': Stress
```

Predicted label: ['Stress']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_235.png': Stress
```
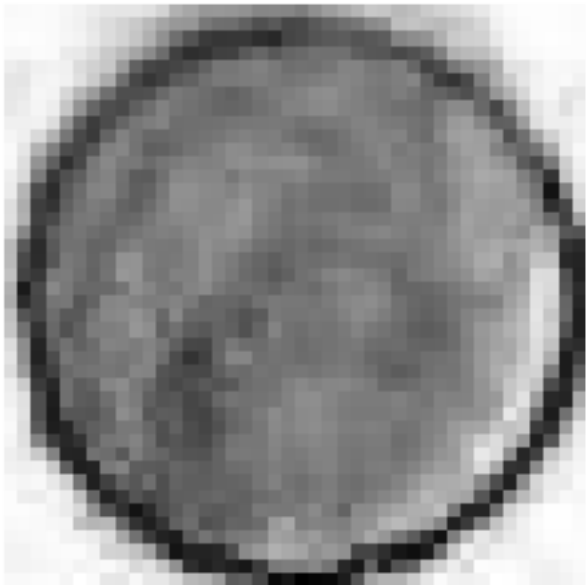
Predicted label: ['Stress']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_236.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
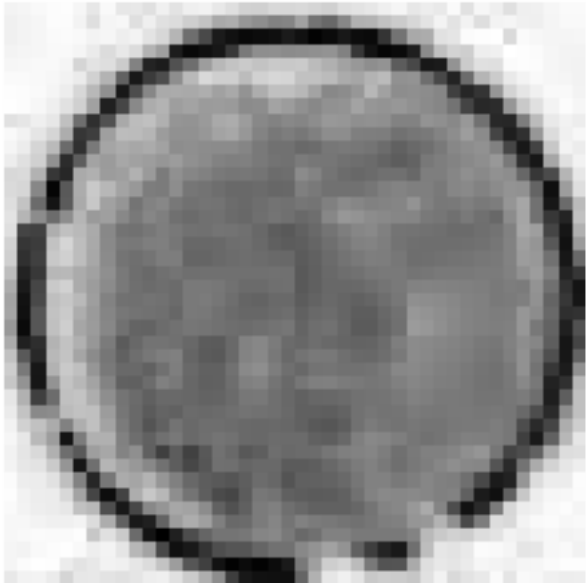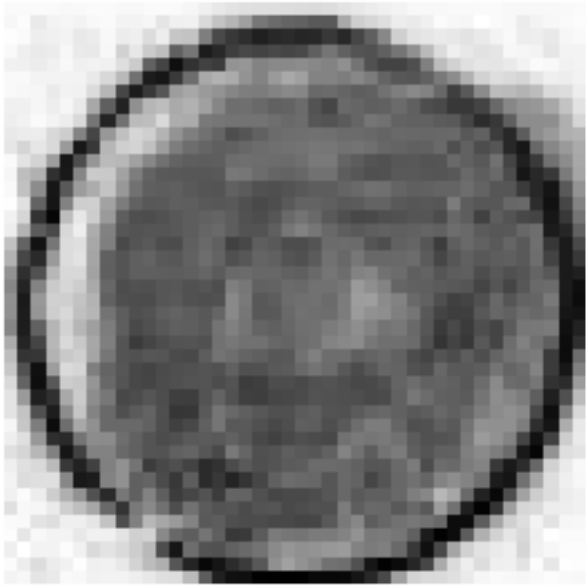
Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_237.png': Confusion
```

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_239.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
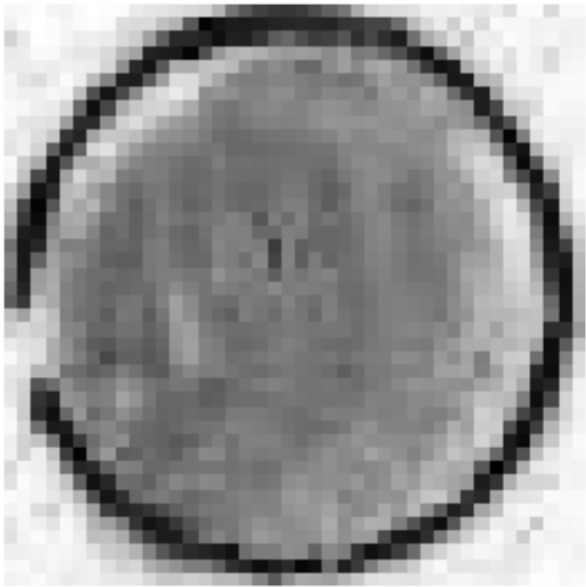
Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_240.png': Confusion
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_241.png': Stress
```
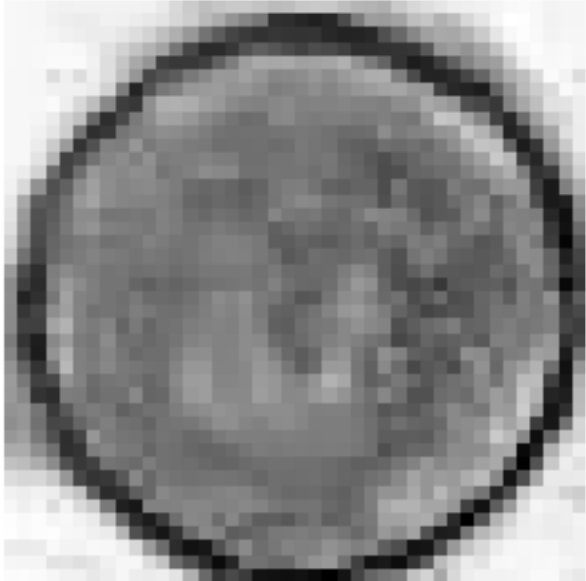
Predicted label: ['Stress']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_244.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_245.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_248.png': Stress
```

Predicted label: ['Stress']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_249.png': Stress
```

Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_45.png': Stress
```

Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_60.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_77.png': Stress
```
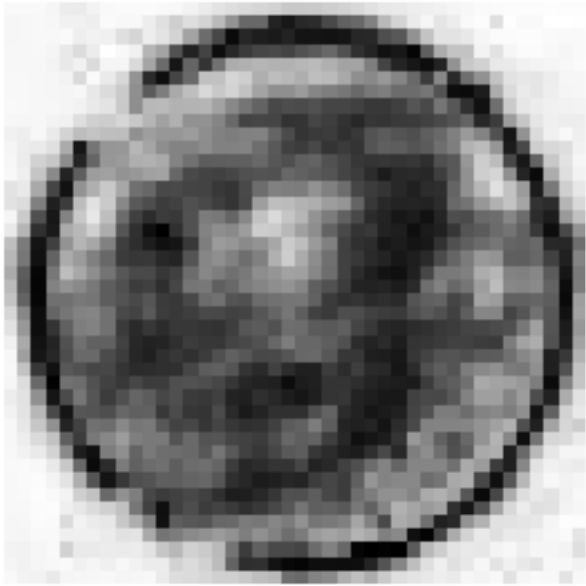
Predicted label: ['Stress']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_84.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
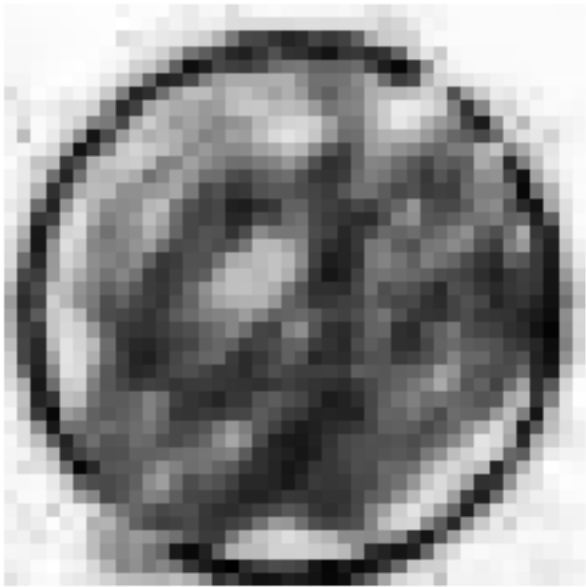
Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_92.png': Stress
```

Predicted label: ['Stress']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle2_99.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_103.png': Confusion
```

Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_104.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
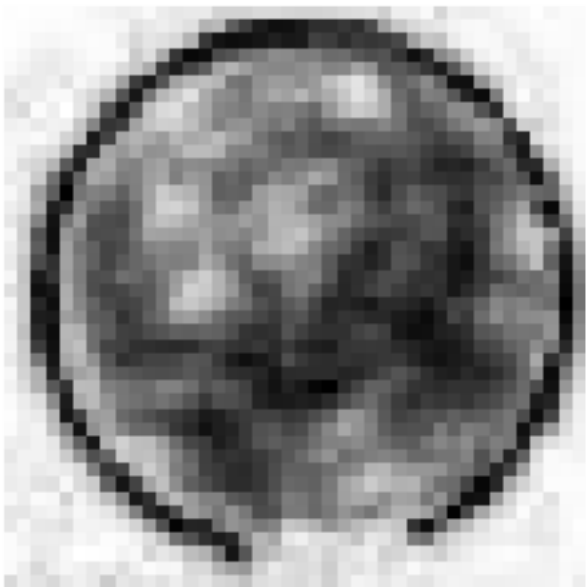
Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_105.png': Stress
```

Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_106.png': Confusion
```

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_114.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
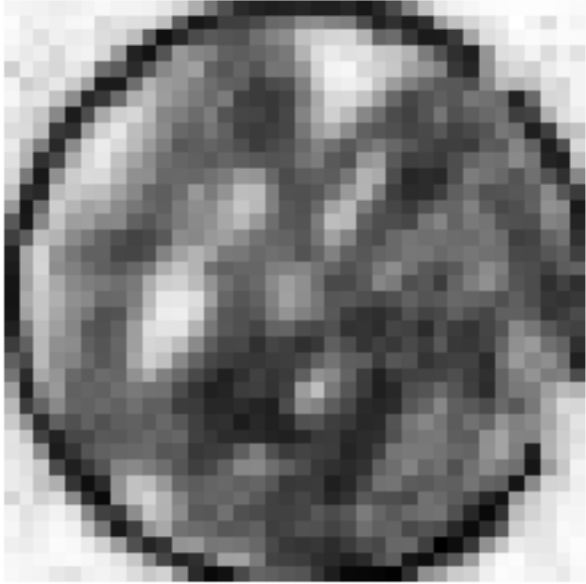was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_116.png': Stress

Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_118.png': Stress

Predicted label: ['Stress']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_125.png': Confusion

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_128.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_129.png': Stress

Predicted label: ['Stress']

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_131.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```


Predicted label: ['Stress']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_132.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
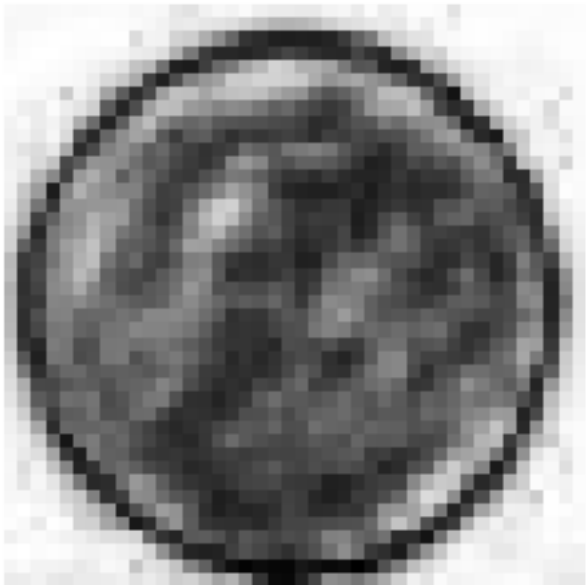
Predicted label: ['Stress']

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_140.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
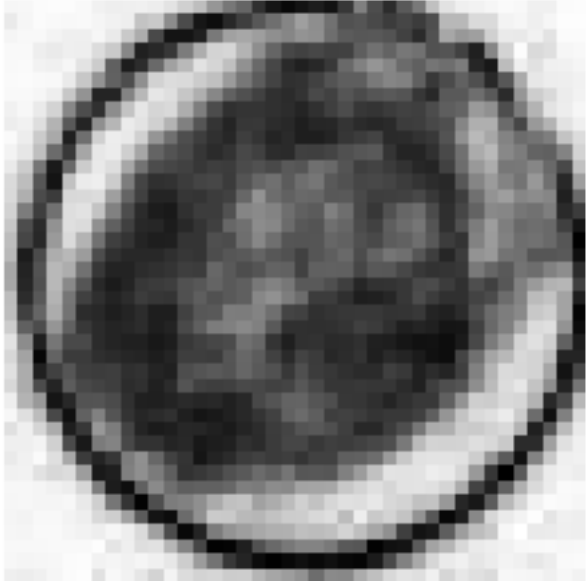

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_144.png': Confusion
```
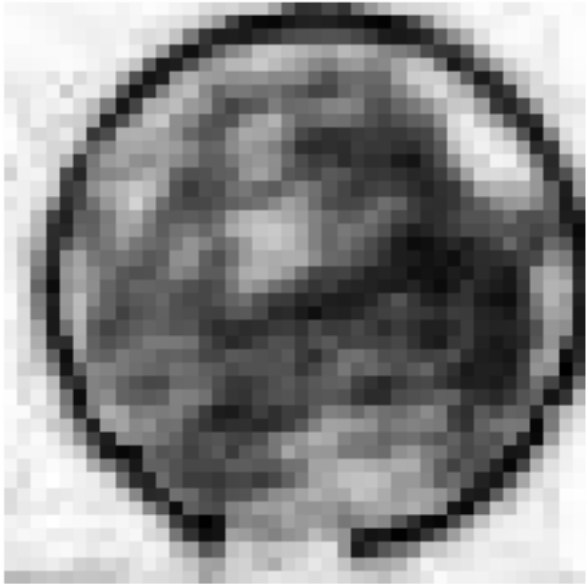
Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_146.png': Stress

Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_148.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_149.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Stress']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
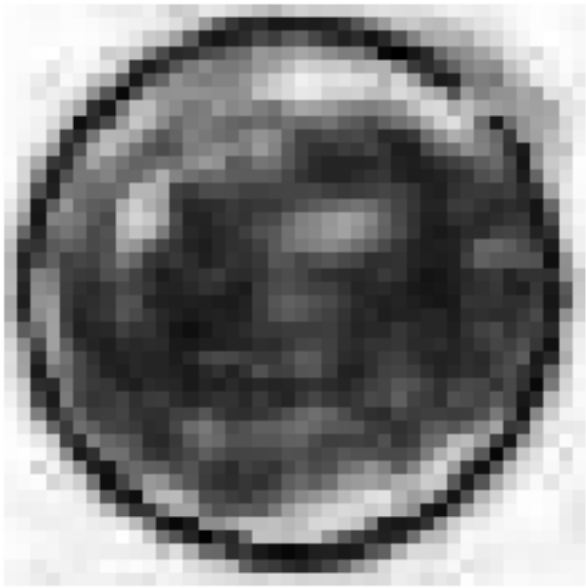was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_155.png': Confusion
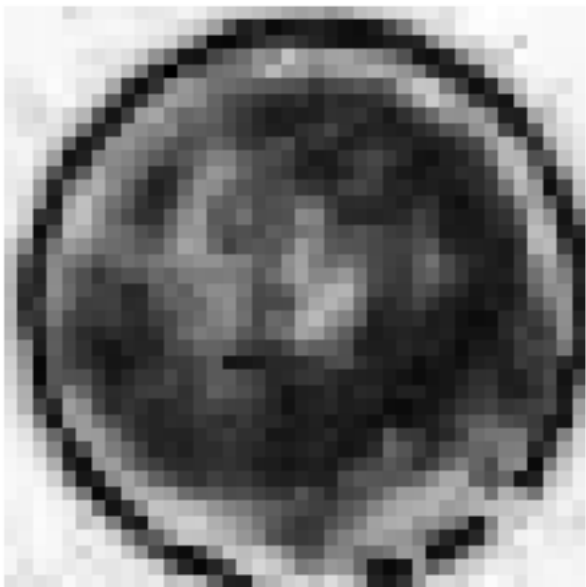
Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_158.png': Confusion
```
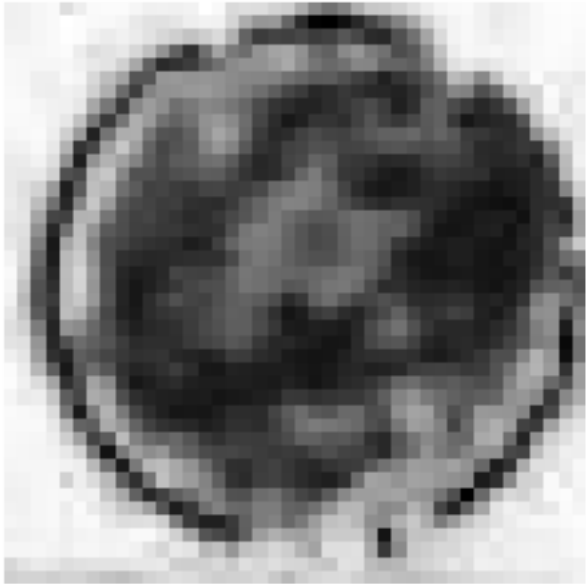
Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_165.png': Confusion
```

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_167.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_169.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
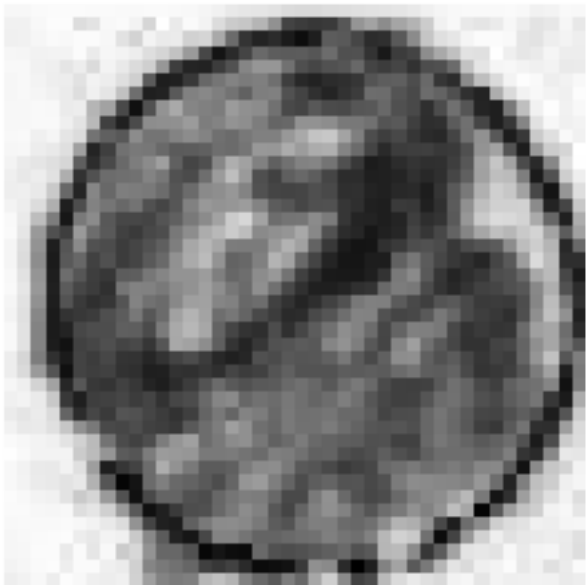Extracted_Circles_from_OMR\filled_circles\circle3_183.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
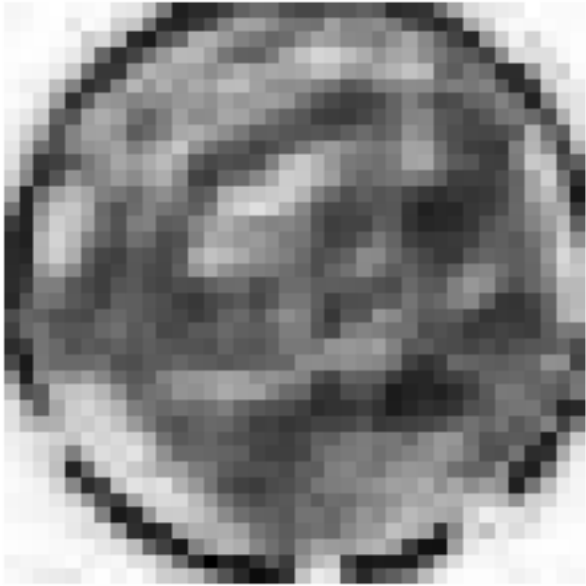 warnings.warn(

Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_188.png': Confusion
```

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_194.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```


Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_195.png': Stress
```

Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_201.png': Confusion
```

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_209.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
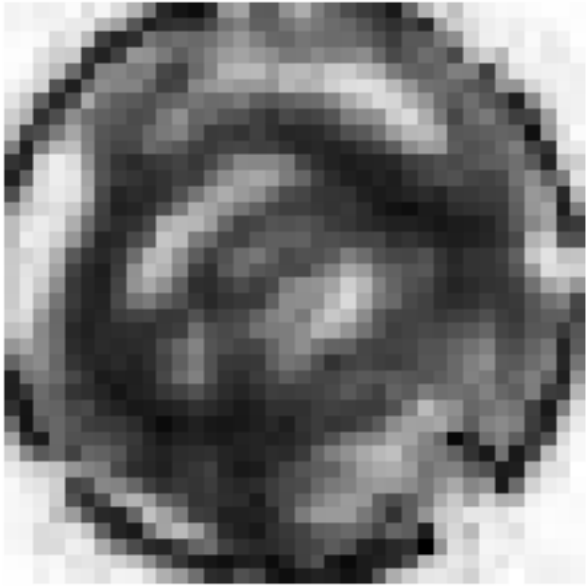
Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_222.png': Stress
```
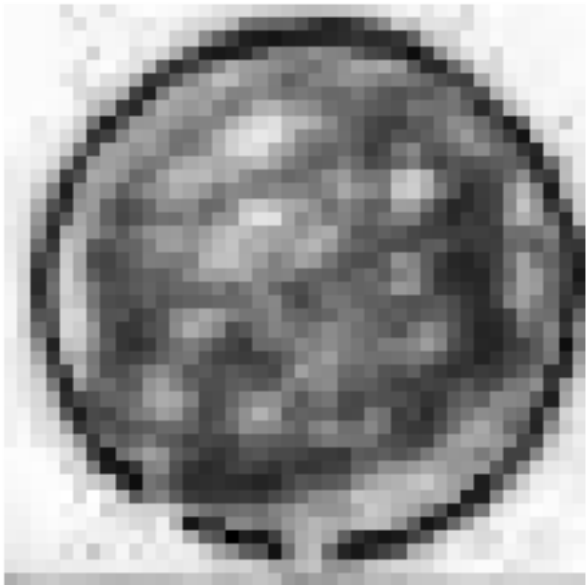
Predicted label: ['Stress']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_223.png': Stress
```

Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_224.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_226.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_31.png': Confusion
```

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_36.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_50.png': Stress
```

Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_52.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Stress']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_57.png': Confusion
```

Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_64.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_65.png': Confusion

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_68.png': Stress
```

Predicted label: ['Stress']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_69.png': Stress

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
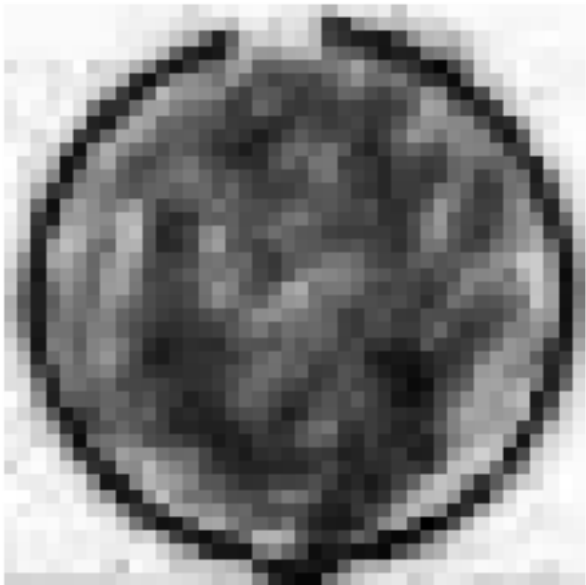
Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_84.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
   warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_90.png': Confusion
```
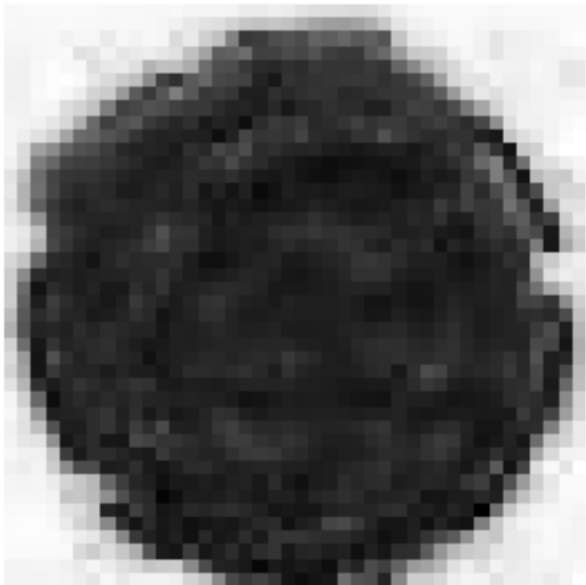
Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
   warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_95.png': Stress
```

Predicted label: ['Stress']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle3_99.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_102.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_114.png': Confusion
```

Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
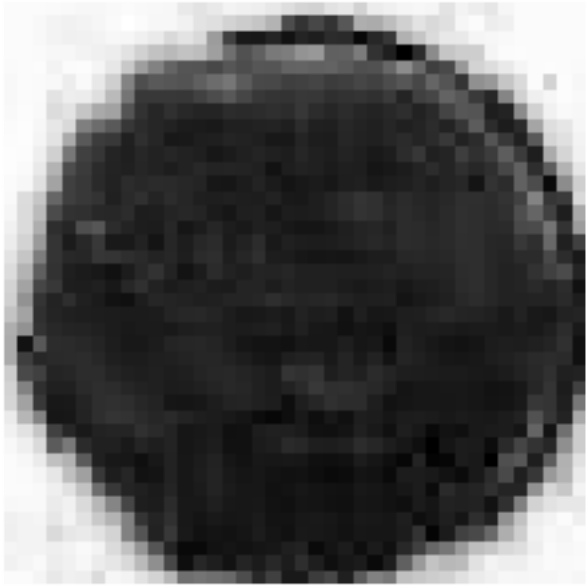Extracted_Circles_from_OMR\filled_circles\circle4_116.png': Confusion

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_121.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_122.png': Confusion

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_123.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
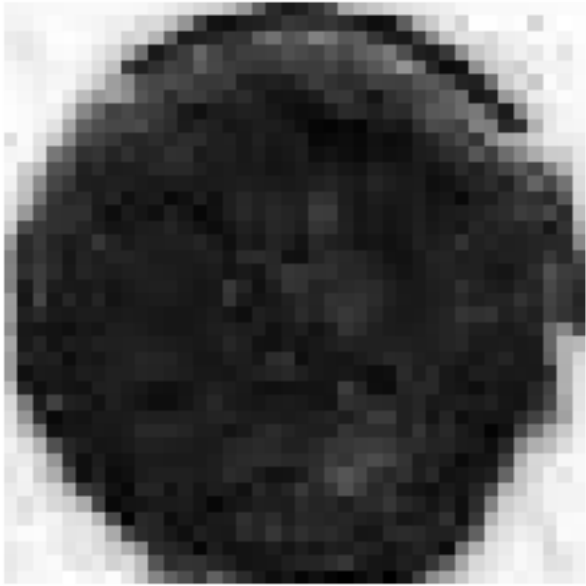was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_134.png': Confusion
```
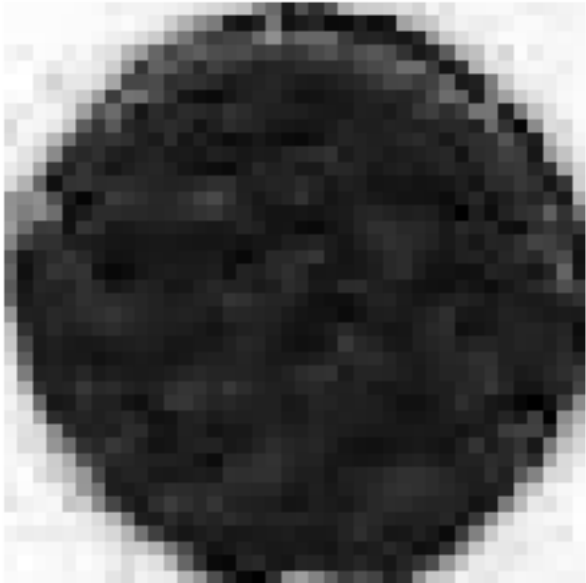
Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_135.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_136.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```


Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_141.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
    warnings.warn(

Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
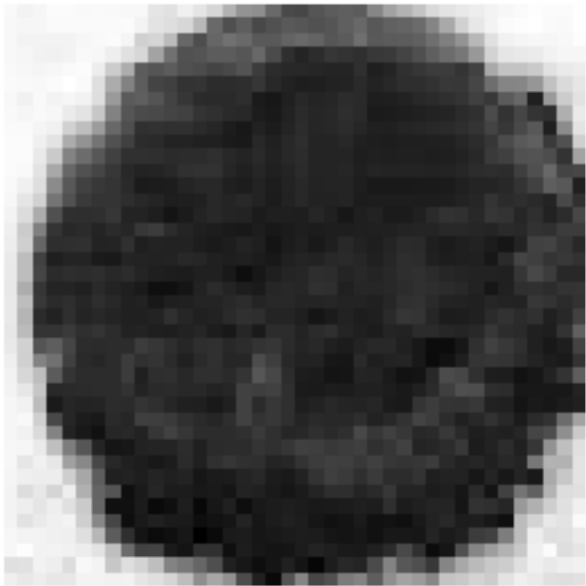was fitted with feature names
    warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_146.png': Confusion

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_154.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_16.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
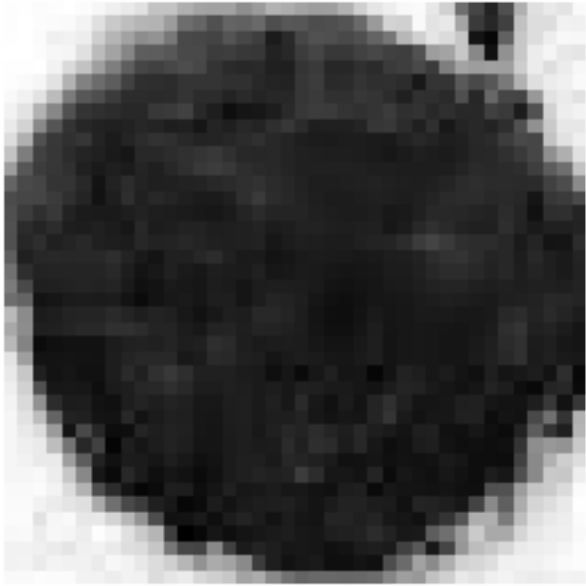

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_168.png': Confusion
```

Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_173.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
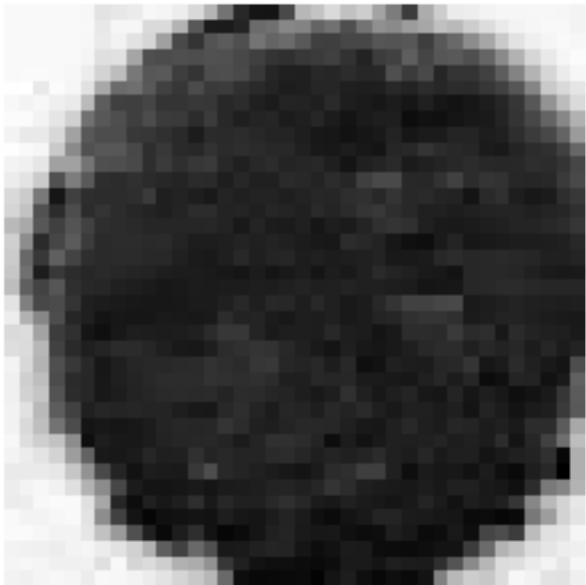
Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_174.png': Confusion
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_177.png': Confusion
```
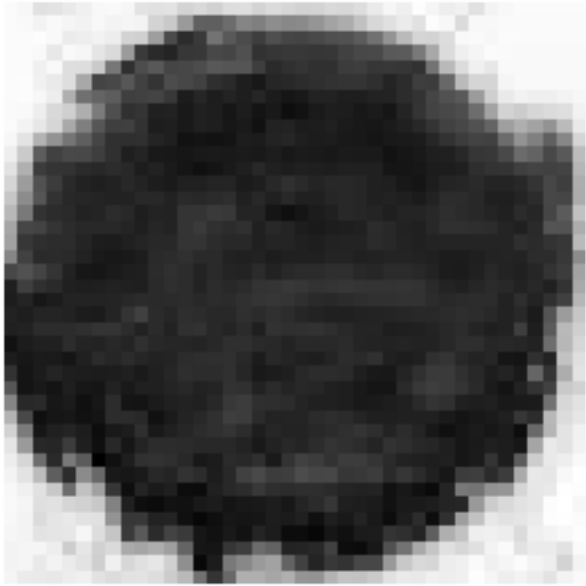
Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_179.png': Stress

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
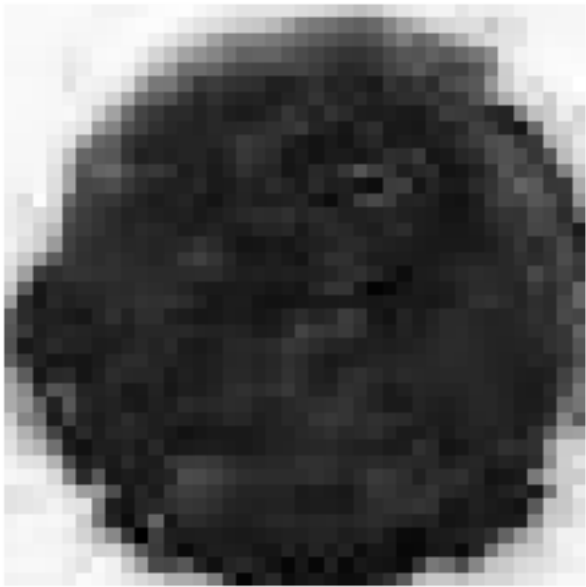
Predicted label: ['Stress']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_184.png': Confusion
```

Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_196.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_199.png': Confusion
```
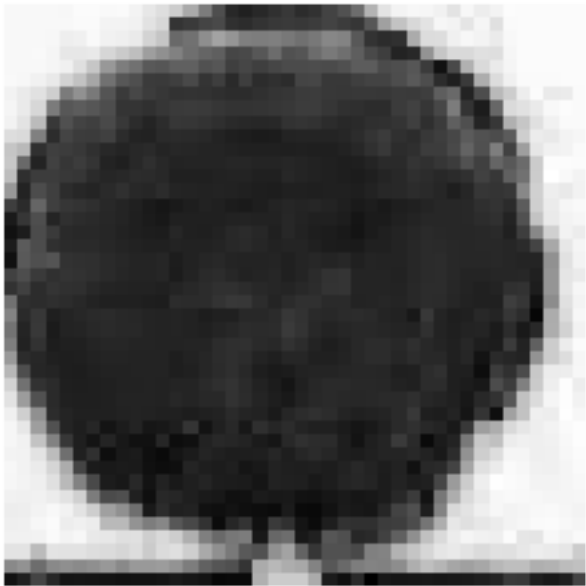
Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_2.png': Confusion
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_204.png': Confusion
```

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
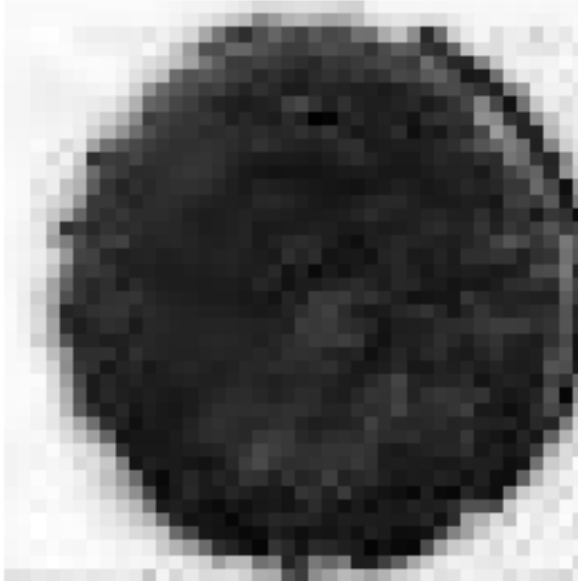Extracted_Circles_from_OMR\filled_circles\circle4_209.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_211.png': Confusion
```

Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_212.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```
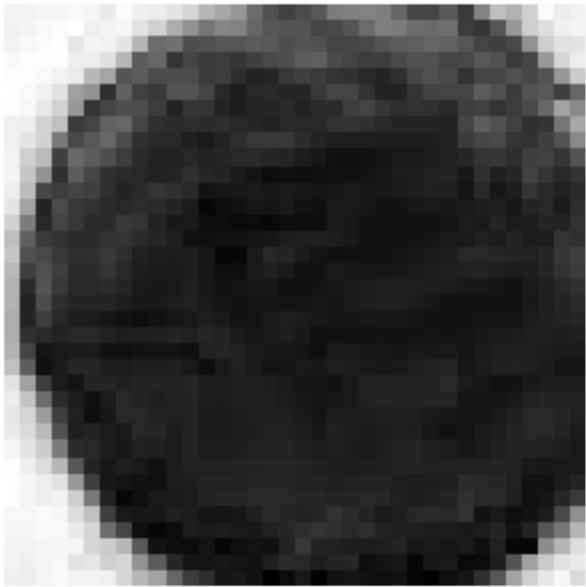
Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_216.png': Confusion

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_24.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
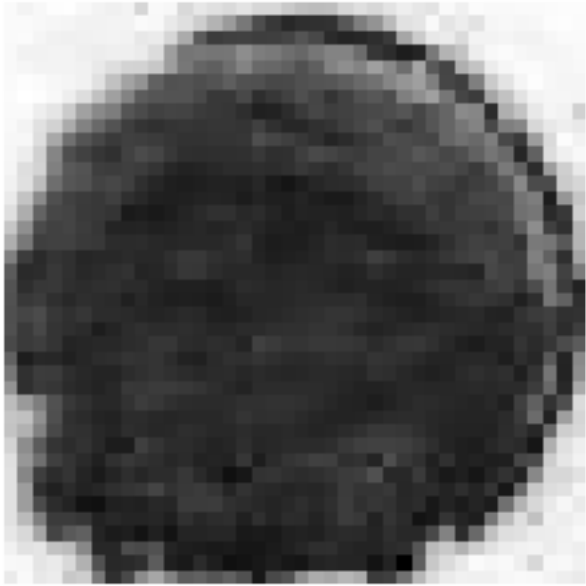was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_34.png': Confusion

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_36.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_46.png': Confusion
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_57.png': Confusion
```
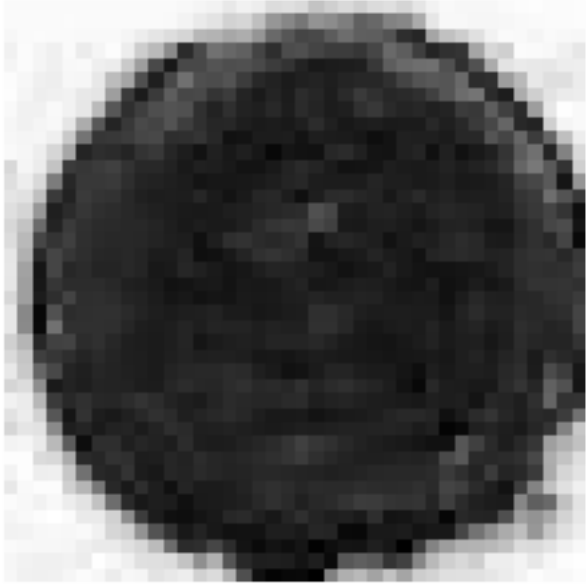
Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_62.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label: ['Confusion']

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_71.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
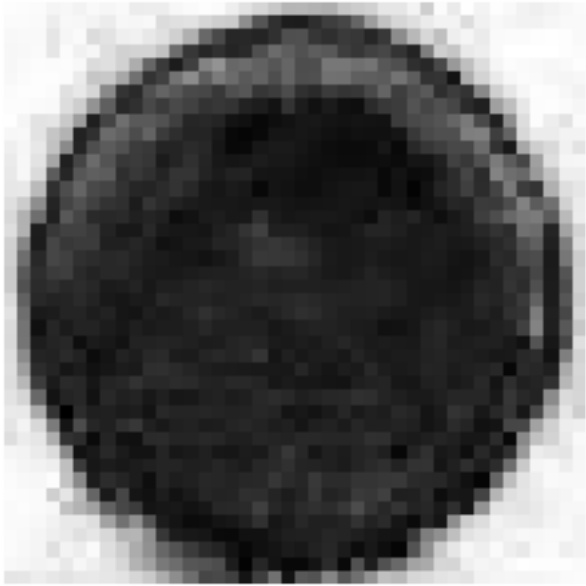was fitted with feature names
   warnings.warn(

Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
   warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_75.png': Confusion
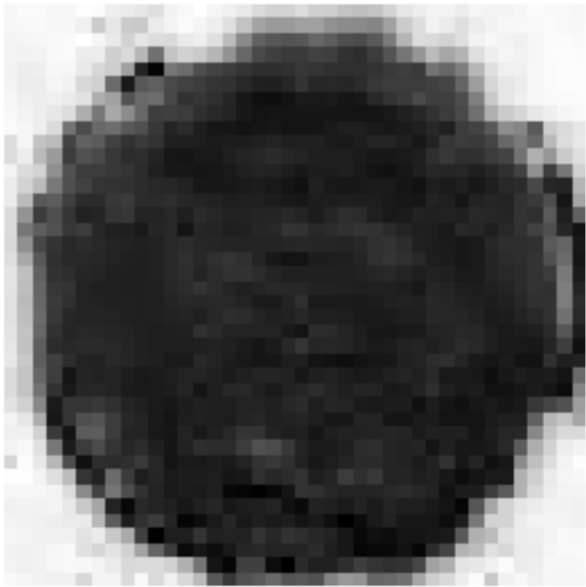
Predicted label: ['Confusion']

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_82.png': Confusion

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_83.png': Confusion
```

Predicted label: ['Confusion']


```
Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_84.png': Confusion

c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(
```

Predicted label: ['Confusion']


```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_90.png': Confusion
```

Predicted label: ['Confusion']

```
c:\Users\Laptop\anaconda3\lib\site-packages\sklearn\base.py:450:
UserWarning: X does not have valid feature names, but StandardScaler
was fitted with feature names
  warnings.warn(

Predicted label for the image 'C:\Users\Laptop\test\
Extracted_Circles_from_OMR\filled_circles\circle4_92.png': Confusion
```

Predicted label: ['Confusion']