

## Predict.html

```
%%writefile templates/predict.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Predict Using ML Model</title>
  <style>
    /* Additional styles specific to predict.html */
    body {
      font-family: Arial, sans-serif;
      line-height: 1.6;
      background-color: #f0f0f0;
      padding: 20px;
    }

    .container {
      max-width: 600px;
      margin: 0 auto;
      background-color: #fff;
      padding: 20px;
      border-radius: 5px;
      box-shadow: 0 2px 4px rgba(0,0,0,0.1);
```

```
}
```

```
h1 {  
    text-align: center;  
    margin-bottom: 20px;  
}
```

```
form {  
    text-align: center;  
}
```

```
.form-group {  
    margin-bottom: 20px;  
}
```

```
.btn {  
    display: inline-block;  
    background-color: #333;  
    color: #fff;  
    text-decoration: none;  
    padding: 10px 20px;  
    margin-top: 20px;  
    border-radius: 5px;  
    transition: background-color 0.3s ease;  
}
```

```
.btn:hover {
```

```

        background-color: #555;
    }

    #preview-image {
        max-width: 100%;
        margin-top: 20px;
        display: none;
    }
</style>
</head>
<body>
    <div class="container">
        <h1>Predict Using ML Model</h1>
        <form id="upload-form"
enctype="multipart/form-data">
            <div class="form-group">
                <input type="file" id="file-input" name="file"
accept="image/*" required>
            </div>
            <button type="button" onclick="uploadFile()"
class="btn">Upload & Predict</button>
        </form>
        <div id="prediction-results"></div>
        
    </div>

```

```
<!-- Include JavaScript files -->
<script
src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script>
    // Function to handle file upload and prediction
    function uploadFile() {
        var fileInput =
document.getElementById('file-input');
        var file = fileInput.files[0];
        var formData = new FormData();
        formData.append('file', file);

        $.ajax({
            type: 'POST',
            url: '/predict_photo',
            data: formData,
            contentType: false,
            processData: false,
            success: function(response) {

document.getElementById('prediction-results').innerHTML
= '<h2>Prediction:</h2><p>' + response.prediction +
'</p>';

                var previewImage =
document.getElementById('preview-image');
                previewImage.src =
URL.createObjectURL(file);
```

```
        previewImage.style.display = 'block';
    },
    error: function(error) {
        console.error('Error:', error);
        alert('Error occurred while predicting. Please
try again.');
```

```
    }
    });
}
</script>
</body>
</html>
```

