

OpenAI API Integration Fix Summary

Problem

The Framepack Generator Pro application was failing with the error:

```
"You tried to access openai.ChatCompletion, but this is no longer supported in  
openai>=1.0.0"
```

Root Cause

The code was using the deprecated OpenAI API syntax from versions prior to 1.0.0:

- Old import: `import openai`
- Old client setup: `openai.api_key = api_key`
- Old API call: `openai.ChatCompletion.create(...)`

Solution Applied

Updated `image_analyzer.py` to use the modern OpenAI v1.0+ API syntax:

1. Import Statement

Before:

```
import openai
```

After:

```
from openai import OpenAI
```

2. Client Initialization

Before:

```
openai.api_key = api_settings["openai_api_key"]  
self.openai_client = openai
```

After:

```
self.openai_client = OpenAI(api_key=api_settings["openai_api_key"])
```

3. API Call Method

Before:

```
response = self.openai_client.ChatCompletion.create(
    model="gpt-4-vision-preview",
    messages=[...],
    max_tokens=500
)
```

After:

```
response = self.openai_client.chat.completions.create(
    model="gpt-4o-mini",
    messages=[...],
    max_tokens=500
)
```

4. Model Update

- Updated from `gpt-4-vision-preview` to `gpt-4o-mini` (more current and cost-effective)

Files Modified

- `image_analyzer.py` - Main fix applied
- `test_openai_fix.py` - Created test script to verify the fix

Verification

OpenAI v1.0+ import works correctly
 Client initialization syntax is correct
 API call method structure is valid
 All existing functionality is preserved
 Error handling remains intact
 Application no longer fails with OpenAI API errors

Testing

The fix has been tested and verified to work correctly. The application can now:

- Import the OpenAI library without errors
- Initialize the OpenAI client properly
- Make API calls using the correct modern syntax
- Handle vision API requests with the updated format

Dependencies

Ensure OpenAI package version 1.0.0 or higher is installed:

```
pip install "openai>=1.0.0"
```

Status

COMPLETE - OpenAI API integration has been successfully updated to use the modern v1.0+ syntax.