**Developer Notes - Crime Documentary Generator**

**Current Status**

 Getting JSON parsing error: Expecting value: line 1 column 1 (char 0)

 Implemented chunking and retry logic

 Added better error handling and logging

 W&B tracking is configured

 Dependencies are installed

**Main Issues to Resolvei**

**1. JSON Parsing Error**

 Error occurs in document processing

 Likely issue with OpenAI response handling

 Need to verify response format before parsing

 Consider adding response inspection logging

**2. Next Steps**

 Debug OpenAI response:

*# Add this logging before processing response*

print("Raw response:", response)

print("Response type:", type(response))

print("Response content:", response.choices[0].message.content *if* response.choices *else* "No choices")

2. Check chunk processing:

*# Add this before sending to OpenAI*

print("Chunk text:", chunk.text[:200])  *# First 200 chars*

print("Chunk tokens:", chunk.token\_count)

 Verify OpenAI client initialization:

*# Add connection test*

async def test\_client():

    client = *await* OpenAIClient.get\_client()

*try*:

        response = *await* client.chat.completions.create(

*model*="gpt-4-turbo-preview",

*messages*=[{"role": "user", "content": "Hello"}],

*max\_tokens*=10

        )

        print("Test response:", response)

*finally*:

*await* OpenAIClient.close()

**3. Files to Focus On**

 processors/document\_processor.py - Main processing logic

 processors/experiment\_tracker.py - Error tracking

 .env - API configuration

**4. Environment**

 OpenAI API key is configured

 Dependencies are installed

 Using Python 3.9

 Virtual environment is active

**5. Testing Plan**

 Test with minimal document first

 Add logging at each processing step

 Verify chunk sizes

 Test OpenAI connection separately

 Monitor W&B logs

**Next Session Tasks**

 Add detailed logging

 Implement response validation

 Add test cases

 Consider fallback processing

 Improve error messages

**Notes**

 Keep OpenAI API key secure

 Check W&B logs for errors

 Consider implementing circuit breaker

 May need to adjust chunk sizes

 Consider adding timeout configuration

**NEXT STEPS**

**Consider Windsurf**