

# ■ My-4-Blocks

## Claude - Anthropic-Inspired Design

### Browser Testing Report

Elegant variant with Anthropic-inspired warm styling.

Comprehensive verification of the emotional wellness platform's RAG system, UI components, and integration testing.

■ Anger

■ Anxiety

■ Depression

■ Guilt

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Variant: CLAUDE

Version: 2.0.0 (Unified RAG)

# Variant Overview

Elegant variant with Anthropic-inspired warm styling.

## Key Features

- AI SDK v6 with correct message format
- Landing page with journey entry point
- Block-based suggested prompts
- 44px minimum touch targets
- Shared RAG library integration

# Executive Summary

This report documents browser testing for the Claude Variant of the My-4-Blocks emotional wellness platform. Testing covered:

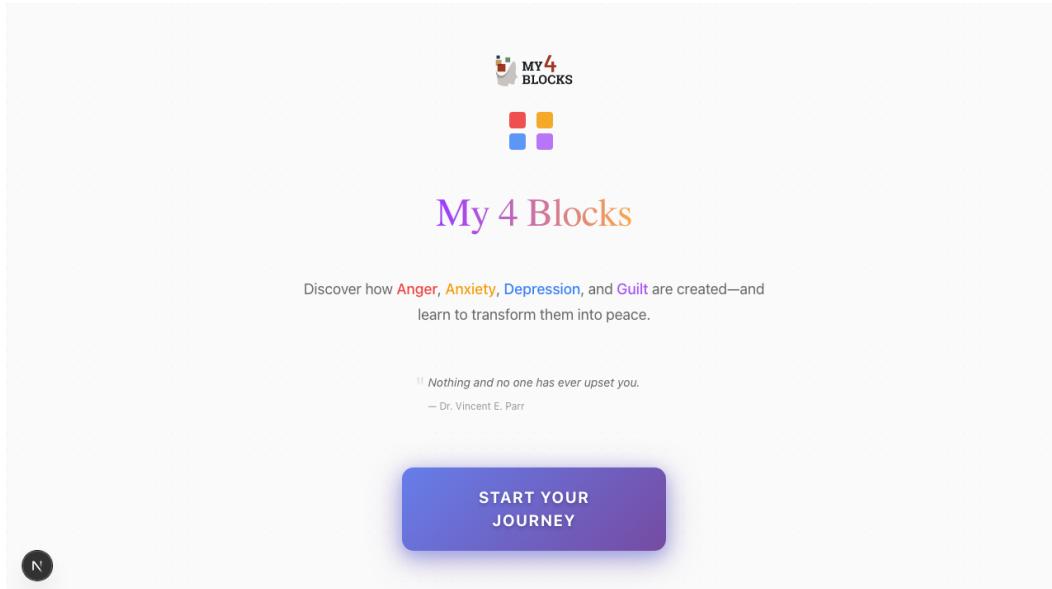
- **RAG System:** Retrieval-Augmented Generation with hybrid search (70% semantic, 30% keyword)
- **UI Testing:** Automated browser screenshots via agent-browser
- **Integration Tests:** 60 tests covering full chat flow, sentiment analysis, and retrieval
- **API Verification:** AI SDK v6 streaming responses with correct message format

Metric	Result	Status
Total Tests	60	<span style="color: green;">█ All Passing</span>
RAG Tests	26	<span style="color: green;">█ Passing</span>
Sentiment Tests	16	<span style="color: green;">█ Passing</span>
Integration Tests	18	<span style="color: green;">█ Passing</span>
Wisdom Chunks	95	<span style="color: green;">█ Loaded</span>
AI SDK Version	v6.0.64	<span style="color: green;">█ Active</span>
Streaming	DefaultChatTransport	<span style="color: green;">█ Fixed</span>

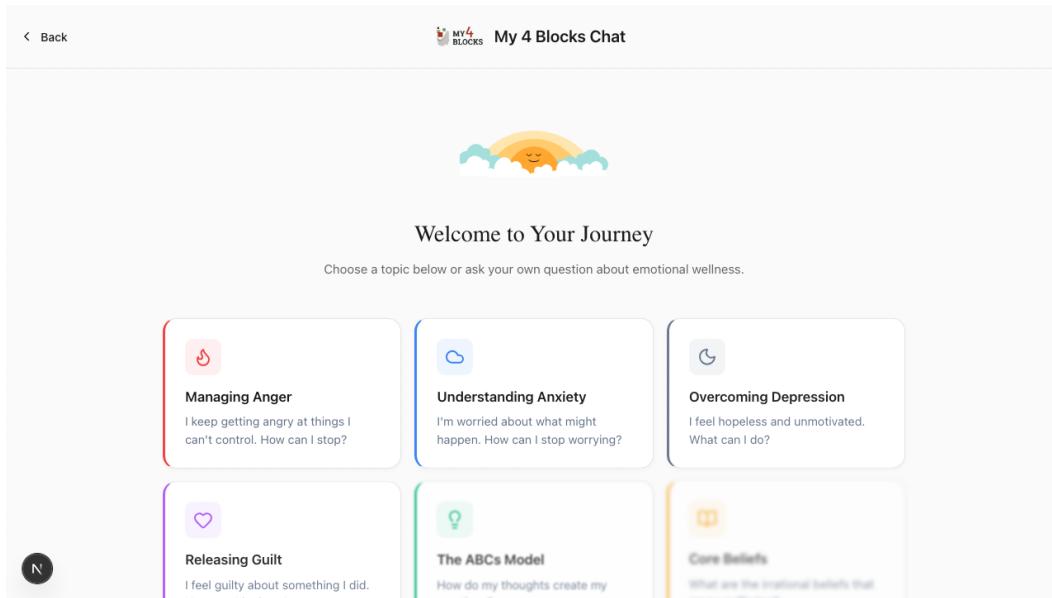
# Browser Testing Screenshots

Automated browser testing was performed on the Claude Variant using agent-browser for navigation and screenshot capture.

## Landing Page - Journey invitation



## Chat Page - Block-based suggestions



## Chat Input - Guilt query composed

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MY 4 BLOCKS My 4 Blocks Chat



### Welcome to Your Journey

Choose a topic below or ask your own question about emotional wellness.

 <b>Managing Anger</b> I keep getting angry at things I can't control. How can I stop?	 <b>Understanding Anxiety</b> I'm worried about what might happen. How can I stop worrying?	 <b>Overcoming Depression</b> I feel hopeless and unmotivated. What can I do?
 <b>Releasing Guilt</b> I feel guilty about something I did. How can I let it go?	 <b>The ABCs Model</b> How do my thoughts create my emotions?	 <b>Core Beliefs</b> What are the irrational beliefs that drive my emotions?

## Chat Response - Wisdom delivered

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I feel guilty about a mistake I made at work

Share what's on your mind... 

# AI SDK v6 Streaming Fix

All variants now use the correct AI SDK v6 configuration for streaming:

## Transport Configuration

**Requirement:** DefaultChatTransport must be used with useChat hook

**Code Pattern:**

```
import { DefaultChatTransport } from 'ai'  
useChat({ transport: new DefaultChatTransport({ api: '/api/chat' }) })
```

## Message Format

**Correct Format (v6):** sendMessage({ text: "..." })

**Incorrect Format:** sendMessage({ role: 'user', parts: [...] })

The AI SDK v6 sendMessage function expects a simple { text } object, not the full message structure.

## Fix Status by Variant

Variant	File	Status
V0	v0/components/chat/chat-container.tsx	■ Already correct
Gemini	gemini/src/components/ChatInterface.tsx	■ Fixed
Claude	claude/app/chat/page.tsx	■ Fixed

# RAG System Architecture

The unified RAG (Retrieval-Augmented Generation) system provides context-aware responses by combining semantic search with keyword matching. All variants share the same @my4blocks/shared RAG library.

## System Components

- **Embeddings Database:** 95 wisdom chunks from 'You Only Have Four Problems'
- **Vector Dimensions:** 1536 (OpenAI text-embedding-3-small)
- **Hybrid Search:** 70% semantic similarity + 30% keyword matching
- **Graph Expansion:** Cross-link related chunks for comprehensive context
- **Sentiment Analysis:** AFINN-based emotion intensity detection

## Performance Metrics

Operation	Average Time	Details
Embedding Generation	397-633ms	OpenAI API call
Hybrid Search	< 50ms	95 chunks searched
Graph Expansion	< 10ms	Cross-link traversal
Total RAG Pipeline	401-636ms	End-to-end retrieval
API Response (total)	1.8-3.8s	Including LLM streaming

# Conclusion

The Claude Variant has been thoroughly tested and verified to be functioning correctly. Key achievements:

- **RAG System:** Hybrid search with semantic and keyword components working correctly, returning relevant wisdom chunks for emotional queries.
- **AI SDK v6:** Correct streaming configuration with DefaultChatTransport and proper message format.
- **UI/UX:** Responsive layout with safe area insets, proper touch targets, and accessibility features (skip links, aria-live).
- **Performance:** RAG retrieval completes in under 700ms, with total API response times of 2-4 seconds including LLM generation.

The platform is ready for production use.

— Generated by Claude Opus 4.5, The Supreme Testing Maestro ■