

Chat-Tevez API Documentation

Overview

Chat-Tevez is a psychology-focused RAG chatbot that provides mood analysis, therapeutic support, and psychology-themed humor. This API enables integration of Chat-Tevez's capabilities into your applications.

Base URL: `http://localhost:3000`

Authentication

Currently, no authentication is required for API access.

Response Format

All API responses follow this structure:

```
{
  "success": true,
  "data": {
    // Response data
  }
}
```

Error responses:

```
{
  "error": "Error message",
  "message": "Detailed error description"
}
```

Endpoints

1. Health Check

GET `/ping`

Simple connectivity test.

Response:

```
{
  "status": "pong",
}
```

```
"timestamp": "2025-06-09T10:08:58.963Z"
}
```

GET /api/health

Detailed health information.

Response:

```
{
  "status": "healthy",
  "timestamp": "2025-06-09T10:09:29.602Z",
  "uptime": 133.334278629,
  "memory": {
    "rss": 133095424,
    "heapTotal": 62799872,
    "heapUsed": 60063680,
    "external": 3483474,
    "arrayBuffers": 66702
  },
  "version": "1.0.0"
}
```

GET /api/health/status

Comprehensive system status including vector store and PDF information.

Response:

```
{
  "status": "healthy",
  "timestamp": "2025-06-09T10:09:29.602Z",
  "services": {
    "vectorStore": {
      "status": "connected",
      "totalVectors": 4639,
      "dimension": 768,
      "indexFullness": 0.15
    },
    "pdfProcessor": {
      "status": "available",
      "availablePDFs": 6,
      "pdfs": ["kafka-letters.pdf", "art-of-happiness.pdf", ...]
    },
    "gemini": {
      "status": "connected"
    },
    "pinecone": {
```

```
    "status": "connected"
  }
}
```

2. Chat Endpoints

POST /api/chat/message

Main chat endpoint for conversing with Chat-Tevez.

Request Body:

```
{
  "message": "I'm feeling really anxious about my job interview",
  "conversationId": "optional-conversation-id",
  "requestJoke": false
}
```

Parameters:

- **message** (string, required): User's message
- **conversationId** (string, optional): Existing conversation ID for continuity
- **requestJoke** (boolean, optional): Force joke generation

Response:

```
{
  "success": true,
  "data": {
    "conversationId": "11d7d6a3-0eaf-4149-92b5-8f6fbd81c53b",
    "response": "🧠 I can sense the worry and tension you're experiencing about your interview, and that's completely normal - job interviews can trigger our fight-or-flight response. 💬 Try the 5-4-3-2-1 grounding technique: notice 5 things you can see, 4 you can touch, 3 you can hear, 2 you can smell, and 1 you can taste. This helps anchor you in the present moment. 😊 Here's something to lighten the mood: Why did the anxious person bring a ladder to the interview? Because they wanted to reach new heights of confidence! 🧠 Remember, you've prepared for this, and even if it doesn't go perfectly, each interview is valuable practice for building your skills.",
    "mood": {
      "mood": "anxious",
      "confidence": 0.95,
      "sentiment": {
        "score": -1,
        "comparative": -0.1,
        "positive": ["feeling"],

```

```

    "negative": ["anxious"]
  },
  "keywordAnalysis": {
    "mood": "anxious",
    "confidence": 1,
    "scores": {
      "happy": 0,
      "sad": 0,
      "angry": 0,
      "anxious": 1,
      "calm": 0,
      "confused": 0,
      "lonely": 0,
      "motivated": 0,
      "tired": 0,
      "grateful": 0
    }
  },
  "aiAnalysis": {
    "mood": "anxious",
    "confidence": 0.95,
    "reasoning": "The statement explicitly uses the word 'anxious,'
a direct indicator of the emotional state. The context of a job
interview is a common trigger for anxiety."
  },
  "timestamp": "2025-06-09T10:14:26.727Z"
},
"type": "rag",
"sources": ["Daily Stoic", "Art of Happiness"],
"quotes": [
  {
    "text": "You have power over your mind - not outside events.
Realize this, and you will find strength.",
    "source": "Daily Stoic"
  }
],
"conversation": {
  "id": "11d7d6a3-0eaf-4149-92b5-8f6fbd81c53b",
  "messageCount": 2,
  "currentMood": "anxious",
  "createdAt": "2025-06-09T10:14:24.683Z",
  "lastActivity": "2025-06-09T10:14:26.728Z"
}
}
}

```

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GET /api/chat/conversation/:id

Retrieve conversation details.

Response:

```

{
  "success": true,
  "data": {
    "id": "11d7d6a3-0eaf-4149-92b5-8f6fbd81c53b",
    "messages": [
      {
        "role": "user",
        "content": "I'm feeling anxious about my interview",
        "timestamp": "2025-06-09T10:14:24.683Z",
        "mood": {
          "mood": "anxious",
          "confidence": 0.95
        }
      },
      {
        "role": "assistant",
        "content": "🔔 I can sense the worry...",
        "timestamp": "2025-06-09T10:14:26.728Z",
        "type": "rag",
        "sources": ["Daily Stoic"],
        "mood": "anxious"
      }
    ],
    "mood": "anxious",
    "moodHistory": [
      {
        "mood": "anxious",
        "confidence": 0.95,
        "timestamp": "2025-06-09T10:14:26.727Z"
      }
    ],
    "createdAt": "2025-06-09T10:14:24.683Z",
    "lastActivity": "2025-06-09T10:14:26.728Z"
  }
}

```

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GET /api/chat/conversations

List all conversations.

Response:

```

{
  "success": true,
  "data": [
    {
      "id": "11d7d6a3-0eaf-4149-92b5-8f6fbd81c53b",
      "messageCount": 4,
      "currentMood": "anxious",

```

```
      "createdAt": "2025-06-09T10:14:24.683Z",
      "lastActivity": "2025-06-09T10:14:26.728Z"
    }
  ]
}
```

DELETE `/api/chat/conversation/:id`

Delete a conversation.

Response:

```
{
  "success": true,
  "message": "Conversation deleted successfully"
}
```

POST `/api/chat/conversation/:id/clear`

Clear conversation memory while keeping the conversation.

Response:

```
{
  "success": true,
  "message": "Conversation memory cleared successfully"
}
```

3. Mood Analysis

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POST `/api/chat/mood`

Analyze mood from text without starting a conversation.

Request Body:

```
{
  "text": "I feel really sad and lonely today"
}
```

Response:

```

{
  "success": true,
  "data": {
    "mood": "sad",
    "confidence": 0.95,
    "sentiment": {
      "score": -4,
      "comparative": -0.5714285714285714,
      "positive": [],
      "negative": ["lonely", "sad"]
    },
    "keywordAnalysis": {
      "mood": "sad",
      "confidence": 1,
      "scores": {
        "happy": 0,
        "sad": 1,
        "angry": 0,
        "anxious": 0,
        "calm": 0,
        "confused": 0,
        "lonely": 1,
        "motivated": 0,
        "tired": 0,
        "grateful": 0
      }
    },
    "aiAnalysis": {
      "mood": "sad",
      "confidence": 0.95,
      "reasoning": "The text explicitly states 'I feel really sad and lonely today.' Sadness and loneliness are primary emotions directly expressed. The use of 'really' emphasizes the intensity of the feeling."
    },
    "timestamp": "2025-06-09T10:13:36.151Z"
  }
}

```

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4. Joke Generation

POST /api/chat/joke

Generate a single psychology-themed joke.

Request Body:

```

{
  "mood": "anxious",

```

```
"context": "job interview preparation"
}
```

Response:

```
{
  "success": true,
  "data": {
    "joke": "Why did the psychologist bring a ladder to the therapy session? Because they wanted to help their client reach new heights of emotional understanding!",
    "mood": "anxious",
    "style": "reassuring and light",
    "timestamp": "2025-06-09T10:14:09.065Z"
  }
}
```

POST /api/chat/jokes

Generate multiple jokes.

Request Body:

```
{
  "mood": "sad",
  "count": 3
}
```

Response:

```
{
  "success": true,
  "data": [
    {
      "joke": "Why did the therapist bring tissues to every session? Because they knew that tears are just the heart's way of speaking when words aren't enough!",
      "mood": "sad",
      "style": "gentle and comforting",
      "timestamp": "2025-06-09T10:14:09.065Z"
    },
    {
      "joke": "What did one emotion say to another? 'I feel you!' Remember, all feelings are valid and temporary.",
      "mood": "sad",
      "style": "gentle and comforting",

```



```
    "timestamp": "2025-06-09T10:14:10.123Z"
  },
  {
    "joke": "Why don't feelings ever get lost? Because they always know where the heart is!",
    "mood": "sad",
    "style": "gentle and comforting",
    "timestamp": "2025-06-09T10:14:11.456Z"
  }
]
```

Mood Categories

Chat-Tevez recognizes 11 mood categories:

- **happy**: Joy, excitement, contentment
- **sad**: Sadness, grief, melancholy
- **angry**: Anger, frustration, irritation
- **anxious**: Anxiety, worry, nervousness
- **calm**: Peace, tranquility, relaxation
- **confused**: Uncertainty, bewilderment
- **lonely**: Isolation, disconnection
- **motivated**: Drive, determination, inspiration
- **tired**: Exhaustion, fatigue, weariness
- **grateful**: Appreciation, thankfulness
- **neutral**: Balanced, no strong emotion

Error Codes

- **400**: Bad Request - Invalid input parameters
- **404**: Not Found - Resource doesn't exist
- **500**: Internal Server Error - Server-side error
- **503**: Service Unavailable - System still initializing

Rate Limits

Currently no rate limits are enforced, but consider implementing them in production.

Psychology Focus

Chat-Tevez is designed exclusively for psychology, mental health, and emotional well-being topics. Non-psychology questions are automatically redirected with supportive guidance back to emotional topics.