# Todowa CLI - Task Management System

**Version:** 2.0 with Enhanced AI and Testing Capabilities  
**Interface:** Command Line Interface (CLI)  
**Last Updated:** 2025-08-21

## Purpose

This is the CLI-testable version of the Todowa multi-agent task management system. Use this version for testing and development via command line interface.

## Key Features

* ✅ Natural language task understanding (no keyword extraction)
* ✅ CLI testing interface via cli.py
* ✅ Automated testing via test\_runner.py
* ✅ Multi-agent architecture (TaskAgent, ReminderAgent, etc.)
* ✅ Supabase database integration
* ✅ AI-powered intent classification
* ✅ Typo correction and multilingual support

## Quick Start

# Install dependencies  
pip install -r requirements.txt  
  
# Configure your credentials in config.py  
# - GEMINI\_API\_KEY  
# - SUPABASE\_URL   
# - SUPABASE\_SERVICE\_KEY  
  
# Run CLI interface for testing  
python cli.py  
  
# Run automated tests  
python test\_runner.py

## Testing Commands

* “Add a task to call the client”
* “Mark the ‘call the client’ task as done”
* “What are my current tasks?”
* “Remind me to buy groceries tomorrow at 3pm”

## Architecture

* **cli.py** - Command line interface for testing
* **test\_runner.py** - Automated testing framework
* **src/multi\_agent\_system/** - Core agent framework
* **src/ai\_text\_processors/** - AI text processing for typo correction
* **database\_personal.py** - Database operations
* **enhanced\_ai\_tools.py** - AI-powered tools
* **prompts/** - Agent prompt templates

## Validation Criteria

* ✅ Human Like Response - AI generates dynamic, contextual responses
* ✅ Typo Correction - AI-powered multilingual correction
* ✅ Right Context - AI understands and preserves context
* ✅ Right Action - Performs the expected task operations
* ✅ Multilingual Support - English, Spanish, French, German, Chinese, Japanese + Mixed Languages

## Testing Categories

### Normal Task

1. Basic Task Creation
2. Task Listing and Viewing
3. Updating Task
4. Complete Task
5. Delete Task
6. Add Reminder
7. Delete Reminder
8. Update Reminder

### Normal Task Batch (Same but one chat contains multiple tasks)

1. Basic Task Creation
2. Task Listing and Viewing
3. Updating Task
4. Complete Task
5. Delete Task
6. Add Reminder
7. Delete Reminder
8. Update Reminder