

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