LogicCraft Al Backend API

Prerequisites

- Python 3.10+
- Redis
- OpenPLC Validator (on system PATH)

Installation

- 1. Create a virtual environment: python -m venv venv
- 2. Activate it: source venv/bin/activate
- 3. Install dependencies: pip install -r requirements.txt
- 4. Create a env file:

```
DEBUG=False
SECRET_KEY=your-secret-key-here
REDIS_URL=redis://localhost:6379/0
VLLM_SERVER_URL=http://localhost:8001/v1
CORS_ALLOWED_ORIGINS=http://localhost:3000
```

- 5. Run migrations: python manage.py migrate
- 6. Start the server: python manage.py runserver

API Reference

- POST /api/generate/
- POST /api/validate/

Connecting the Services

- Frontend: Set NEXT_PUBLIC_API_BASE_URL to this Django server (e.g., http://localhost:8000/api).
- Al Service: vLLM server must be running and accessible at VLLM_SERVER_URL.
- Redis: Redis server must be running.

Testing

PROFESSEUR: M.DA ROS

Run the test suite with: python manage.py test