

LICENSE	Change copywrite to Bazaarvoice	3 months ago
☐ README.md	feat(docs): Update getting started	2 months ago
mkdocs.yml	feat(dsl): Add Support for Custom	2 months ago
pyproject.toml	feat(dsl): Require type for Steps (#	4 days ago
🗅 uv.lock	feat(dsl): Require type for Steps (#	4 days ago

QType

QType is a domain-specific language (DSL) for rapid prototyping of AI applications.

It is designed to help developers define modular, composable AI systems using a structured YAML-based specification. QType supports models, prompts, tools, retrievers, and flow orchestration, and is extensible for code generation or live interpretation.

Quick Start

Install QType:

```
pip install qtype[interpreter]
```

Create a file hello_world.qtype.yaml that answers a question:

```
id: hello_world
flows:
  - id: chat_example
    description: A simple chat flow with OpenAI
    mode: Chat
    steps:
      - id: llm_inference_step
        model:
          id: gpt-4
          provider: openai
          auth:
            id: openai_auth
            type: api_key
            api_key: ${OPENAI_KEY}
        system_message: |
          You are a helpful assistant.
        inputs:
          - id: user_message
            type: ChatMessage
        outputs:
```

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- id: response
 type: ChatMessage

Put your openai api	key into your	env	file:
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echo "OPENAI_KEY=sk...." >> .env

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Validate it's semantic correctness:

qtype validate hello_world.qtype.yaml

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You should see:

INFO: ✓ Schema validation successful.
INFO: ✓ Model validation successful.

INFO: ✓ Language validation successful INFO: ✓ Semantic validation successful

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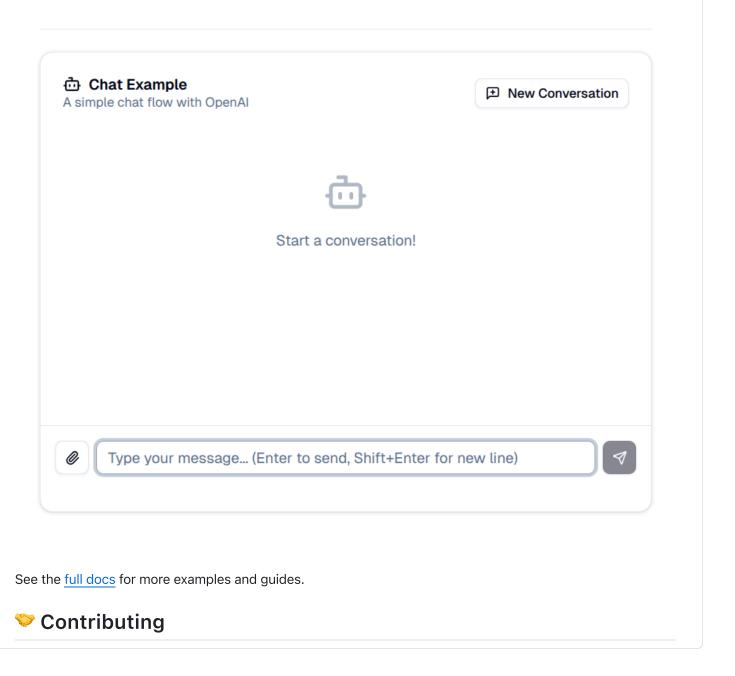
Launch the interpreter:

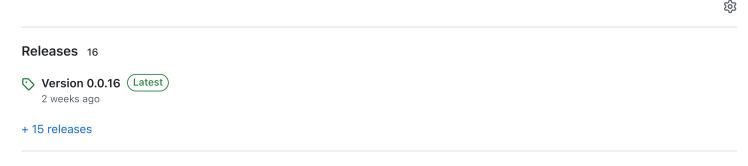
qtype serve hello_world.qtype.yaml`

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And go to http://localhost:8000/ui to see the user interface for your application:

Hello World Chat





Packages

No packages published Publish your first package

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Deployments 46

pypi 2 weeks ago

github-pages last week

+ 44 deployments

Languages

• Python 79.2% • TypeScript 16.1% • **HTML** 3.7% Other 1.0%