# Task Description

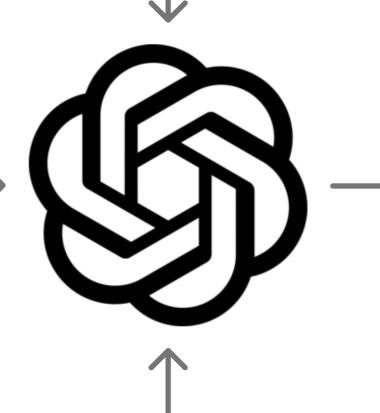
- Content to edit
- Values to adjust
- Goals to achieve

# UI Control Preferences

- Predictability
- Efficiency
- Explorability

# User Preference Library

- Crowdsourcing task descriptions
- User preferred widgets & reasons

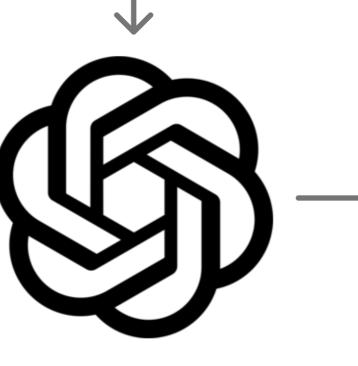


# Widget Reasoning

- Step-by-step reasoning
- Reasoned widget types

#### Code Guidance

 Example code to implement widget candidates



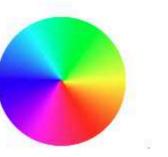
### Widget Implementation

 UI widget implementation in Python for Jupyter Notebook

#### Generated UI

 UI widgets tailored to user context for task performance

Preset buttons: Preset buttons allow you to quickly select predefined values



# UI Widget Candidates

Widgets in Jupyter Widgets Library

CoT Reasoning

Reasoned Widgets

Code Generation

Code Execution

**UI** Output

**User Context**