

## Task

`task.on_assistant_action(action)`

`task.on_user_action(action)`

Task State

*Action*

*Action*

## Assistant

`assistant.take_action(observation, state)`

Policy

State

Inference Engine

Observation  
Engine

`assistant.infer(observation)`

`assistant.observe(**state)`

## User

`user.take_action(observation, state)`

State

Policy

Observation  
Engine

Inference Engine

`user.observe(**state)`

`user.infer(observation)`

