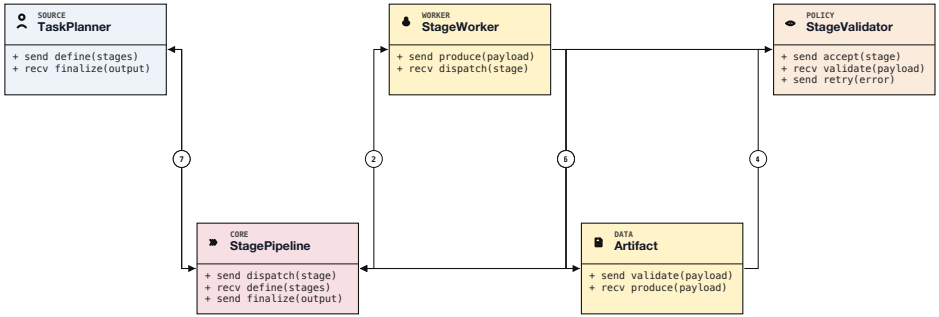
W01 Prompt chaining

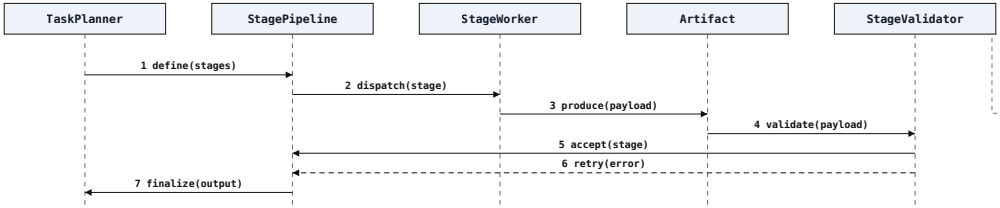
Workflow · A² A1 · pipeline role collaboration

Pass intermediate results through planned stages.

STRUCTURE · PARTICIPANT COLLABORATION



INTERACTION



MESSAGE TRACE 1 define(stages) → 2 dispatch(stage) → 3 produce(payload) → 4 validate(payload) → 5 accept(stage) → 6 retry(error) → 7 finalize(output)

PATTERN INTERFACE

context
A task is decomposed into ordered agent or prompt stages.

trigger
One stage produces an intermediate result consumed by the next.

structure
Stage graph, typed handoff payload, validation, and terminal output.

effect
Stages execute in order and downstream input is attributable to upstream output.

CONTRACT ANNOTATIONS

requires	Stage order and handoff schema are defined.
ensures	Every stage receives validated input and the final output identifies its stage lineage.
invariant	A later stage cannot execute before its prerequisites complete.
violation	A stage failure stops, retries, or branches according to declared policy.

Evidence: 7/41 repositories, 6/36 families; 7 trajectories (4 multi-checkpoint); exact audit: not sampled.

Variation: Sequential agents, prompt templates, pipelines, and transform nodes.

Negative control: Independent prompts with no intermediate-result dependency do not count.