## Agent Orchestration Standard Operating Procedure (SOP)

MANDATORY: Every development prompt MUST include agent orchestration patterns. This prevents having to repeatedly remind prompt builders to include specialist agent usage.

### SCOPE

Applies to ALL TaylorDash development prompts: main system, plugins, infrastructure, testing,

## RULE: NEVER SEND A PROMPT WITHOUT AGENT ORCHESTRATION

### STANDARD AGENT ORCHESTRATION BLOCK (COPY TO EVERY PROMPT)

Oui-comprehensive-tester: Thorough UI testing across platforms. Intelligently selects best testing approach

atentines gaps between vinat was specined and what was built.

- @code-quality-pragmatist: Expert at identifying shortcuts, placeholder code, TODO comments, and over engineering that doesn't provide real value. Hunts for fake implementations.

- @claude-md-compliance-checker. Verifies adherence to project governance rules, add-only constraints, i.

AGINT ORCHISTRATION STRATEO?
Use multiple agents simultaneously for different aspects:
- New @lagent-1 | validate | specific aspect| while @lagent-2| checks [different aspect]
- Lew @lagent-1 | furnication | shie @lagent-2| neiwos | quality-concern|
- Deploy @lagent-5] to ensure | governance| throughout

MANDATORY VALIDATION SEQUENCE:

. \*\*Development Phase\*\*: Use @Jenny continuou - [Specific compliance requirement for this task] - [Architectural constraint to verify]

\*\*Implementation Quality\*\*: Use @code-quality-pragmatist during developr - [Specific anti-pattern to hunt for] - [Quality concern to identify]

\*\*End-to-End Validation\*\*: Use @task-completion-validator
- [Complete user workflow to verify]

\*\*Governance Compliance\*\*: Use @claude-md-compliance-checker

## ORCHESTRATION PATTERNS FOR SPECIFIC SCENARIOS

## Pattern 1: New Feature Development

## Pattern 2: Bug Fixes and Issues

AGENT ORCHESTRATION FOR BUG FIXES:

@code-quality-pragmatist: Ensure fix doesn't introduce technical debt @claude-md-compliance-checker: Verify fix follows project constraints

## Pattern 3: Integration and Testing

AGENT ORCHESTRATION FOR INTEGRATION:
- @task-completion-validator: Verify integration actually works

## Pattern 4: Documentation and Close-out

AGENT ORCHESTRATION FOR DOCUMENTATION:

- @claude-md-compliance-checker. Verify documentation follows standards:

- @ttask-completion-validator. Confirm documentation matches actual imple:

- @tenny. Ensure documentation covers all specified requirements

## ANTI-PATTERNS (FORBIDDEN)

Use only one agent when multiple are appropriate

· Accept claims without evidence from validation agents

Skip agent validation for "simple" tasks

Use generic "check everything" agent instructions

## ALWAYS DO THIS:

Include specific agent assignments for the task

 Require evidence from appropriate validation agents Use multiple agents simultaneously when possible

Specify exactly what each agent should validate

Require agent consensus on critical decisions

## PROMPT TEMPLATE WITH ORCHESTRATION

ROLE: [Specific role for the task]
Operate add-only, idempotent, local-only. Do not

[INCLUDE FULL AGENT ORCHESTRATION BLOCK FROM ABOVE]

TASK: (Specific task description)

SPECIFIC REQUIREMENTS: [Task-specific requirements]

CONSTRAINTS: [Project constraints and governance]

EVIDENCE REQUIRED: [What agents must provide as proof]

### QUALITY CHECKPOINTS Before sending any prompt, verify:

Specific agent assignments for this task

Evidence requirements defined
 Multiple agents assigned where appropriate
 Validation sequence specified

## FAILURE RECOVERY

If a prompt is sent without proper agent orchestration:

1. Stop the session and add orchestration immediately

2. Reduirect the agent to use specialist agents
3. Require evidence for any claims made
4. Update this SOP if new patterns are discovered

# CONTINUOUS IMPROVEMENT

Track agent effectiveness:

- Document which agent combinations work best
- Note any gaps in agent capabilities
   Update orchestration patterns based on results
- Refine evidence requirements based on experience

REMEMBER: Agent orchestration is not optional - it's mandatory for all development prompts.