

Copilot Instructions (Deterministic Agent Registry, v1.1.0)

Based on: Prompt engineering - OpenAI API

agents:

- id: editor_agent

purpose: Refine/expand prompts; enforce structure, format, and examples.
input_schema:
user_input: string
previous_model_output: string
analysis: object
user_tag: [accurate, needs_depth, off_topic, hallucination, unsafe, wrong_format, incomplete]
capabilities: [prompt_refinement, structure_enforcement, formatting, example_injection]
max_response_chars: 8000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: evaluator_agent

purpose: Diagnose issues, map tags to root causes, propose fixes and tests.
input_schema:
user_input: string
previous_model_output: string
analysis: object
user_tag: [accurate, needs_depth, off_topic, hallucination, unsafe, wrong_format, incomplete]
capabilities: [error_diagnosis, eval_case_generation, rubric_application, safety_assessment]
max_response_chars: 6000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: research_agent

purpose: Conduct deep research on Dynamics 365 manufacturing opportunities and market analysis.
input_schema:
research_query: string
focus_area: string
scope: string
context: object
capabilities: [market_research, competitive_analysis, technology_assessment, opportunity_identification]
max_response_chars: 12000
safety_restrictions: ["no_network", "no_fs_write", "no_deletes"]
- id: prd_agent

purpose: Generate comprehensive Product Requirements Documents for identified opportunities.
input_schema:

- opportunity_data: object
market_context: object
technical_constraints: object
business_requirements: object
capabilities: [prd_generation, requirements_analysis, stakeholder_mapping, success_metrics]
max_response_chars: 15000
safety_restrictions: ["no_network","no_fs_write","no_deletes"]
- id: technical_planning_agent
purpose: Create technical architecture and implementation plans for identified solutions.
input_schema:
prd_data: object
technical_requirements: object
constraints: object
integration_points: object
capabilities: [architecture_design, implementation_planning, integration_mapping, risk_assessment]
max_response_chars: 12000
safety_restrictions: ["no_network","no_fs_write","no_deletes"]
- id: roadmap_agent
purpose: Generate strategic roadmaps and development timelines for product opportunities.
input_schema:
product_data: object
technical_plan: object
market_conditions: object
resource_constraints: object
capabilities: [roadmap_generation, milestone_planning, dependency_mapping, timeline_optimization]
max_response_chars: 10000
safety_restrictions: ["no_network","no_fs_write","no_deletes"]
- id: gen-scaffold-agent
purpose: Generate comprehensive project scaffolds with D365 manufacturing focus and enterprise-grade quality.
input_schema:
project_name: string
project_type: string
focus_domain: string
requirements: object
capabilities: [scaffold_generation, project_initialization, d365_manufacturing_integration, workflow_orchestration, documentation_generation]
max_response_chars: 20000
safety_restrictions: ["no_network","no_fs_write","no_deletes"]
- id: market_research_agent
purpose: Conduct comprehensive market research and competitive analysis for manufacturing ISV opportunities.

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input_schema:
  market_segment: string
  geographic_scope: string
  competitive_landscape: object
  customer_segments: object
  capabilities: [market_sizing, competitive_intelligence, customer_analysis, trend_identification]
  max_response_chars: 12000
  safety_restrictions: ["no_network","no_fs_write","no_deletes"]

gen_scaffold_agent:
  id: gen_scaffold_agent
  location: apps/agents/gen-scaffold-agent/
  description: Specialized agent for comprehensive project scaffolding with D365 manufacturing focus
  input_schema:
    project_name: string
    project_type: string
    target_domains: string[]
    integration_requirements: object
    compliance_requirements: object
  output_schema:
    project_structure: object
    configuration_files: object
    documentation: object
    workflow_definitions: object
    agent_specifications: object
    capabilities: [scaffold_generation, project_initialization, d365_manufacturing_integration,
      workflow_orchestration, documentation_generation]
    max_response_chars: 15000
    safety_restrictions: ["no_network","no_fs_write","no_deletes"]

  selection_rules:
    by_tag:
      accurate: [editor_agent, evaluator_agent]
      needs_depth: [research_agent, market_research_agent, prd_agent]
      off_topic: [evaluator_agent, editor_agent]
      hallucination: [evaluator_agent, editor_agent]
      unsafe: [evaluator_agent]
      wrong_format: [editor_agent, evaluator_agent]
      incomplete: [editor_agent, research_agent]
      scaffold_project: [gen_scaffold_agent]
      project_setup: [gen_scaffold_agent]
    by_capability_gap:
      market_research: [research_agent, market_research_agent]
      scaffolding: [gen_scaffold_agent]
      project_initialization: [gen_scaffold_agent]
      prd_generation: [prd_agent]

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technical_planning: [technical_planning_agent]
roadmap_planning: [roadmap_agent]
competitive_analysis: [market_research_agent, research_agent]
synthesize_if_missing: true
tie_breakers:
- if length(analysis.structural_errors) > length(analysis.factual_errors) → prefer editor_agent
- if length(analysis.factual_errors) >= 1 → prefer evaluator_agent
- if capability_gaps contains "market_research" → prefer research_agent
- if capability_gaps contains "prd_generation" → prefer prd_agent
- else prefer first candidate in by_tag
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