

Swarms Custom Order System Specification Template

Project Overview

Project Name: Requestor: Department: Date:

Business Context

Problem Statement

[Describe the current business challenge or opportunity that needs to be addressed]

Objectives

- [List key objectives]
- [Expected business outcomes]
- [Success metrics]

Swarm Specifications

Input Parameters

- Data Types:
 - [List expected input data types]
 - [Format requirements]
- Entry Points:
 - [How will the swarm be triggered?]
 - [User interfaces/API endpoints]
- Initial Conditions:
 - [Required setup]
 - [Prerequisites]

Desired Outputs

- Expected Results:
 - [List deliverables]
 - [Output formats]

- Success Criteria:
 - [Quantitative metrics]
 - [Quality standards]

Agent Pipeline

Proposed Agents

1. Agent Name/Role:
 - Purpose:
 - Key Responsibilities:
 - Required Capabilities:
2. Agent Name/Role:
 - Purpose:
 - Key Responsibilities:
 - Required Capabilities:

[Add more agents as needed]

Agent Interactions

- [Describe how agents will communicate]
- [Define handoff points]
- [Specify coordination mechanisms]

Data Sources

Internal Data

- Source Name:
 - Type:
 - Access Method:
 - Update Frequency:
 - Security Requirements:

External Data

- Source Name:
 - Type:
 - Access Method:
 - API Requirements:
 - Costs/Limitations:

Required Tools & Technologies

Software Tools

- [List required software]
- [API dependencies]
- [Development tools]

Infrastructure

- [Compute requirements]
- [Storage needs]
- [Network considerations]

User Journey

1. Initiation:
 - [How users start the process]
 - [Required inputs]
2. Processing Steps:
 - [Major milestones]
 - [User intervention points]
3. Completion:
 - [How results are delivered]
 - [User actions needed]

Constraints & Considerations

Technical Constraints

- [List technical limitations]
- [Performance requirements]
- [Scalability needs]

Business Constraints

- [Budget limitations]
- [Timeline requirements]
- [Regulatory considerations]

Security Requirements

- [Data privacy needs]
- [Access controls]
- [Compliance requirements]

Additional Notes

[Any other relevant information or special considerations]

Version: 1.0 Last Updated: [Date]