Dynamic 360 Project Setup Complete! 🚀

Project Summary

☑ **Dynamic 360 - Agentic Journey System** has been successfully scaffolded with a comprehensive architecture for analyzing Microsoft Dynamics 365 manufacturing opportunities through AI-powered prompting and analysis.

What's Been Created

🧠 Prompt Engineering Framework

- **Canonical Master Prompt**: Deterministic, auditable prompt-iteration workflows
- **Agent Registry**: 7 specialized agents with full manifest definitions
- **JSON Schemas**: Structured output validation and iteration logging
- **Quality Assurance**: Feedback mapping and lesson learning system

🤖 Specialized Agents

- **research_agent**: Deep market and technology research
- **prd_agent**: Product Requirements Document generation
- **technical_planning_agent**: Technical architecture and implementation planning
- **market_research_agent**: Competitive analysis and market sizing
- **editor_agent**: Prompt refinement and structure enforcement
- **evaluator_agent**: Quality assessment and issue diagnosis
- **roadmap_agent**: Strategic roadmap development (framework ready)

📋 Analysis Workflows

- **Comprehensive Market Research**: 5-day end-to-end analysis process
- **Quick Opportunity Assessment**: 4-6 hour rapid evaluation workflow
- **PRD Generation Workflow**: Complete requirements documentation process
- **Quality Gates**: Validation checkpoints and success criteria

🗂 Project Structure

```
Dynamic360/
├── 📁 .github/          # GitHub configuration & Copilot instructions
├── 📁 .vscode/          # VS Code tasks, settings & extensions
├── 📁 Prompts/          # Prompt engineering framework
├── 📁 Apps/agents/      # Individual agent implementations
├── 📁 Workflows/        # Analysis workflow definitions
├── 📁 Data/             # Input/output data management
├── 📁 Config/           # System configuration
├── 📄 README.md         # Project overview and documentation
└── 📄 USAGE_GUIDE.md    # Comprehensive usage instructions
```

🚀 Ready to Use

Immediate Next Steps

1. **Explore the Agents**: Review agent manifests in `Apps/agents/*/agent.manifest.json`
2. **Try a Workflow**: Start with Quick Opportunity Assessment for a test run
3. **Customize Configuration**: Modify settings in `Config/system-config.json`
4. **Read Usage Guide**: Follow examples in `USAGE_GUIDE.md`

Example Usage

```json
{
  "research_query": "Supply chain optimization gaps in D365 for automotive manufacturing",
  "focus_area": "predictive_maintenance",
  "scope": "north_america_2025",
  "context": {
    "industry": "automotive_manufacturing",
    "dynamics365_focus": true
  }
}
```

VS Code Tasks Available

- **Validate Agent Manifests**: Verify all agent configurations
- **Run Workflow Validation**: Check workflow definitions
- **Initialize New Analysis**: Create new analysis workspace
- **Generate Analysis Report**: Summarize completed analyses

🎯 Core Capabilities

- ☑ **Deterministic Analysis**: Reproducible, auditable results
- ☑ **Safety-First Design**: No external actions without approval
- ☑ **Quality Assurance**: Built-in validation and iteration
- ☑ **Microsoft Ecosystem**: Native D365 integration focus
- ☑ **Enterprise Ready**: Professional documentation standards
- ☑ **Scalable Architecture**: Extensible agent framework

🗐 Documentation Ready

- **README.md**: Project overview and architecture
- **USAGE_GUIDE.md**: Step-by-step usage instructions
- **Agent READMEs**: Individual agent documentation
- **Workflow Guides**: Process definitions and quality gates
- **Configuration Docs**: System settings and customization

🔧 Development Environment

- **VS Code Integration**: Tasks, settings, and extensions configured
- **PowerShell Support**: Windows-optimized command execution
- **JSON Schema Validation**: Structured output verification
- **Markdown Enhancement**: Rich documentation experience

🌸 Key Features

- **Agentic Journey Orchestration**: End-to-end analysis automation
- **Microsoft Dynamics 365 Focus**: Specialized for manufacturing ISV opportunities
- **Structured Output Generation**: JSON-schema validated results
- **Comprehensive Workflows**: From research to technical planning
- **Quality Control**: Multiple validation checkpoints
- **Audit Trails**: Complete iteration and decision logging

The **Dynamic 360** system is now ready for sophisticated analysis of Microsoft Dynamics 365 manufacturing opportunities. Start with the Quick Opportunity Assessment workflow to validate the system, then progress to comprehensive market research for detailed opportunity analysis.

🎉 **Happy Analyzing!**