Dynamic 360 Usage Guide

Quick Start

1. Project Setup

```
# Navigate to project directory
cd Project_Dynamic360

# Verify structure
ls -la
```

2. Basic Usage Pattern

Step 1: Define Your Analysis Objective

```
Objective: Identify ISV opportunities in automotive manufacturing supply chain
optimization for Dynamics 365

Focus Areas:
- Supply chain visibility gaps
- Predictive analytics opportunities
- Integration with existing D365 modules
- Competitive differentiation possibilities

Geographic Scope: North America and Europe
Timeline: Q1 2025 market entry target
```

Step 2: Select Appropriate Workflow

- **Comprehensive Analysis**: Use `Workflows/research-workflows/comprehensive-market-research.md`
- **Quick Assessment**: Use `Workflows/research-workflows/quick-opportunity-assessment.md`
- **PRD Generation**: Use `Workflows/prd-workflows/comprehensive-prd-generation.md`

Step 3: Execute Agent Journey

1. **Research Phase**: Start with `research_agent`
2. **Analysis Phase**: Continue with `market_research_agent`
3. **Documentation Phase**: Use `prd_agent`
4. **Planning Phase**: Engage `technical_planning_agent`

Agent Usage Examples

Research Agent

```
{
  "research_query": "Supply chain optimization gaps in D365 for automotive
manufacturing",
  "focus_area": "supply_chain_visibility",
  "scope": "north_america_europe_2025",
  "context": {
    "industry": "automotive_manufacturing",
    "geography": "north_america_europe",
    "timeframe": "2025",
    "dynamics365_focus": true
  }
}
```

PRD Agent

```
{
  "opportunity_data": {
    "opportunity_name": "D365 Supply Chain Intelligence Platform",
    "market_gap": "Real-time supply chain visibility and predictive analytics",
    "target_customers": ["tier1_automotive_suppliers", "oem_manufacturers"],
    "competitive_advantage": "Native D365 integration with AI-powered insights"
  },
  "market_context": {
    "industry_segment": "automotive_manufacturing",
    "geographic_scope": "north_america_europe",
    "market_size": "$2.5B TAM",
    "growth_projections": "15% CAGR"
  }
}
```

Workflow Execution

Comprehensive Market Research (5-day process)

1. **Day 1-2**: Market landscape analysis
2. **Day 2-3**: Competitive intelligence gathering
3. **Day 3-4**: Opportunity assessment and prioritization
4. **Day 4-5**: PRD generation and technical planning

Quick Opportunity Assessment (4-6 hours)

1. **Hour 1**: Rapid market scan
2. **Hour 2**: Competitive quick scan
3. **Hour 3**: Business case evaluation
4. **Hour 4**: Next steps planning

Output Management

File Organization

```
Data/
├── inputs/
│   ├── market-research-brief-2025-01.md
│   ├── customer-interview-data.json
│   └── competitive-landscape.csv
├── outputs/
│   ├── research-findings-automotive-supply-chain.json
│   ├── prd-supply-chain-intelligence-v1.0.md
│   └── technical-architecture-plan.json
└── templates/
    ├── research-brief-template.md
    ├── prd-template.md
    └── technical-plan-template.json
```

Quality Validation

- All outputs include confidence scores
- Structured JSON for machine processing
- Professional documents for stakeholder review
- Audit trails maintained in `Prompts/prompt-iteration-log.jsonl`

Best Practices

1. Iterative Refinement

- Start with quick assessment for initial validation
- Progress to comprehensive analysis for promising opportunities
- Use feedback loops to improve prompt effectiveness

2. Quality Assurance

- Validate all findings against multiple sources
- Ensure technical feasibility before business planning
- Maintain traceability from market needs to requirements

3. Stakeholder Engagement

- Include stakeholder review gates in workflows
- Document all assumptions and constraints
- Provide clear recommendations with supporting rationale

4. Documentation Standards

- Use consistent terminology and formats

- Maintain version control for all outputs
- Include metadata for reproducibility

Common Use Cases

1. New Market Entry Analysis

- Research emerging manufacturing segments
- Identify D365 integration opportunities
- Assess competitive landscape and positioning

2. Product Enhancement Planning

- Analyze gaps in existing D365 capabilities
- Identify customer-requested enhancements
- Prioritize development based on market impact

3. Competitive Response Analysis

- Assess competitive threats and opportunities
- Develop differentiation strategies
- Plan go-to-market responses

4. Partnership Opportunity Evaluation

- Identify potential technology partnerships
- Assess integration and collaboration opportunities
- Evaluate joint go-to-market strategies

Troubleshooting

Common Issues

1. **Low Confidence Scores**: Refine input parameters or iterate with additional context
2. **Incomplete Analysis**: Check workflow quality gates and validation criteria
3. **Conflicting Recommendations**: Use evaluator_agent for conflict resolution
4. **Technical Feasibility Concerns**: Engage technical_planning_agent early in process

Support Resources

- Agent manifests in `Apps/agents/*/agent.manifest.json`
- Workflow definitions in `Workflows/`
- Configuration settings in `Config/system-config.json`
- Prompt iteration logs in `Prompts/prompt-iteration-log.jsonl`