**# 📊 DXP Prompt Library - Complete Structure & Usage Guide**

**## 🎯 \*\*TOTAL PROMPTS: 39 Components + 36 SDLC Templates = 75 Total Prompts\*\***

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**## 📈 \*\*PROMPT BREAKDOWN\*\***

**### 🏗️ \*\*Component Snippets: 39 Total\*\***

- **\*\*Foundation Layer\*\***: 5 components

- **\*\*Feature Layer\*\***: 5 components

- **\*\*Project Layer\*\***: 5 components

- **\*\*Components\*\***: 5 components

- **\*\*Testing\*\***: 5 components

- **\*\*Styling\*\***: 1 component

- **\*\*SDLC Templates\*\***: 13 components

**### 📋 \*\*SDLC Lifecycle Templates: 36 Total\*\***

- **\*\*Planning & Analysis\*\***: 6 templates

- **\*\*Development & Implementation\*\***: 6 templates

- **\*\*Testing & Quality Assurance\*\***: 6 templates

- **\*\*Deployment & DevOps\*\***: 6 templates

- **\*\*Maintenance & Support\*\***: 6 templates

- **\*\*Optimization & Enhancement\*\***: 6 templates

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**## 🏗️ \*\*COMPONENT SNIPPETS (39 Total)\*\***

**### 🔧 \*\*Foundation Layer (5 Components)\*\***

**#### 1. \*\*Service Interface\*\***

- **\*\*Purpose\*\***: Create foundation service interfaces with DI and logging

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Service Interface"

- **\*\*Output\*\***: Interface + implementation with async methods, error handling

- **\*\*Best For\*\***: Creating reusable foundation services

**#### 2. \*\*Logging Service\*\***

- **\*\*Purpose\*\***: Advanced logging with performance, user action, and security tracking

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Logging Service"

- **\*\*Output\*\***: IAdvancedLoggingService interface + implementation

- **\*\*Best For\*\***: Comprehensive application logging

**#### 3. \*\*Cache Service\*\***

- **\*\*Purpose\*\***: Robust caching with Redis integration and invalidation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Cache Service"

- **\*\*Output\*\***: IAdvancedCacheService with async methods and statistics

- **\*\*Best For\*\***: Performance optimization through caching

**#### 4. \*\*Configuration Service\*\***

- **\*\*Purpose\*\***: Environment-aware configuration with Sitecore integration

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Configuration Service"

- **\*\*Output\*\***: IConfigurationService with environment-specific settings

- **\*\*Best For\*\***: Managing application configuration

**#### 5. \*\*DI Configuration\*\***

- **\*\*Purpose\*\***: Dependency injection setup for Foundation layer

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "DI Configuration"

- **\*\*Output\*\***: DI container configuration with service registrations

- **\*\*Best For\*\***: Setting up dependency injection

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**### 🎯 \*\*Feature Layer (5 Components)\*\***

**#### 6. \*\*Controller Action\*\***

- **\*\*Purpose\*\***: MVC controller actions with error handling

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Controller Action"

- **\*\*Output\*\***: Controller class with action methods and logging

- **\*\*Best For\*\***: Creating feature controllers

**#### 7. \*\*View Model\*\***

- **\*\*Purpose\*\***: Strongly-typed view models for features

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "View Model"

- **\*\*Output\*\***: View model classes with validation and mapping

- **\*\*Best For\*\***: Feature data transfer objects

**#### 8. \*\*Glass Mapper Model\*\***

- **\*\*Purpose\*\***: Sitecore item models using Glass Mapper

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Glass Mapper Model"

- **\*\*Output\*\***: Interface with Sitecore field mappings

- **\*\*Best For\*\***: Sitecore content modeling

**#### 9. \*\*Service Layer\*\***

- **\*\*Purpose\*\***: Business logic services for features

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Service Layer"

- **\*\*Output\*\***: Service interface + implementation with business logic

- **\*\*Best For\*\***: Feature business logic

**#### 10. \*\*Razor View\*\***

- **\*\*Purpose\*\***: Razor view templates with model binding

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Razor View"

- **\*\*Output\*\***: .cshtml view with strongly-typed model

- **\*\*Best For\*\***: Feature view templates

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**### 🌐 \*\*Project Layer (5 Components)\*\***

**#### 11. \*\*Site Controller\*\***

- **\*\*Purpose\*\***: Site-specific controllers with global functionality

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Site Controller"

- **\*\*Output\*\***: Site controller with common actions

- **\*\*Best For\*\***: Site-specific functionality

**#### 12. \*\*Layout View\*\***

- **\*\*Purpose\*\***: Master layout templates

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Layout View"

- **\*\*Output\*\***: Layout.cshtml with sections and includes

- **\*\*Best For\*\***: Site layout templates

**#### 13. \*\*Site Configuration\*\***

- **\*\*Purpose\*\***: Site-specific configuration and settings

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Site Configuration"

- **\*\*Output\*\***: Configuration classes and appsettings

- **\*\*Best For\*\***: Site configuration management

**#### 14. \*\*Global Navigation\*\***

- **\*\*Purpose\*\***: Site-wide navigation components

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Global Navigation"

- **\*\*Output\*\***: Navigation controller and view models

- **\*\*Best For\*\***: Site navigation systems

**#### 15. \*\*Asset Pipeline\*\***

- **\*\*Purpose\*\***: Asset bundling and optimization

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Asset Pipeline"

- **\*\*Output\*\***: Asset bundling configuration

- **\*\*Best For\*\***: Performance optimization

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**### 🎮 \*\*UI Components (5 Components)\*\***

**#### 16. \*\*Carousel Component\*\***

- **\*\*Purpose\*\***: Interactive image/content carousel

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Carousel Component"

- **\*\*Output\*\***: Full carousel with controller, model, view, and JavaScript

- **\*\*Best For\*\***: Image galleries and content sliders

**#### 17. \*\*Form Component\*\***

- **\*\*Purpose\*\***: Dynamic form builder with validation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Form Component"

- **\*\*Output\*\***: Complete form system with validation and submission

- **\*\*Best For\*\***: Contact forms, surveys, data collection

**#### 18. \*\*Navigation Component\*\***

- **\*\*Purpose\*\***: Multi-level responsive navigation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Navigation Component"

- **\*\*Output\*\***: Navigation controller with breadcrumbs and menus

- **\*\*Best For\*\***: Site navigation and menus

**#### 19. \*\*Search Component\*\***

- **\*\*Purpose\*\***: Full-text search with faceting

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Search Component"

- **\*\*Output\*\***: Search controller with Solr/Lucene integration

- **\*\*Best For\*\***: Site search functionality

**#### 20. \*\*Media Gallery\*\***

- **\*\*Purpose\*\***: Media gallery with upload capabilities

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Media Gallery"

- **\*\*Output\*\***: Media gallery with upload, resize, and display

- **\*\*Best For\*\***: Image and video galleries

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**### 🧪 \*\*Testing Components (5 Components)\*\***

**#### 21. \*\*Unit Test\*\***

- **\*\*Purpose\*\***: Unit test templates with mocking

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Unit Test"

- **\*\*Output\*\***: MSTest class with mocks and assertions

- **\*\*Best For\*\***: Component unit testing

**#### 22. \*\*Integration Test\*\***

- **\*\*Purpose\*\***: Integration testing for Sitecore components

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Integration Test"

- **\*\*Output\*\***: Integration test with Sitecore context

- **\*\*Best For\*\***: Testing component integration

**#### 23. \*\*Test Data Builder\*\***

- **\*\*Purpose\*\***: Test data generation and builders

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Test Data Builder"

- **\*\*Output\*\***: Builder pattern for test data creation

- **\*\*Best For\*\***: Creating test data

**#### 24. \*\*Mock Configuration\*\***

- **\*\*Purpose\*\***: Mock setup for dependency injection

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "Mock Configuration"

- **\*\*Output\*\***: Mock configuration for services and dependencies

- **\*\*Best For\*\***: Test dependency setup

**#### 25. \*\*E2E Test\*\***

- **\*\*Purpose\*\***: End-to-end testing with Selenium

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "E2E Test"

- **\*\*Output\*\***: Selenium test framework setup

- **\*\*Best For\*\***: Browser automation testing

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**### 🎨 \*\*Styling Components (1 Component)\*\***

**#### 26. \*\*SCSS Component\*\***

- **\*\*Purpose\*\***: Component-specific SCSS with BEM methodology

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: Generate Component" → "SCSS Component"

- **\*\*Output\*\***: SCSS file with component styles and responsive design

- **\*\*Best For\*\***: Component styling

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**### 📋 \*\*SDLC Template Components (13 Components)\*\***

**#### 27. \*\*User Story Template\*\***

- **\*\*Purpose\*\***: Agile user story with acceptance criteria

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "User Story Template"

- **\*\*Output\*\***: Markdown template for user stories

- **\*\*Best For\*\***: Requirements documentation

**#### 28. \*\*Unit Test Suite\*\***

- **\*\*Purpose\*\***: Comprehensive unit testing framework

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Unit Test Suite"

- **\*\*Output\*\***: Complete test class with setup and assertions

- **\*\*Best For\*\***: Testing strategy implementation

**#### 29. \*\*Azure DevOps Pipeline\*\***

- **\*\*Purpose\*\***: CI/CD pipeline for Sitecore deployment

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Azure DevOps Pipeline"

- **\*\*Output\*\***: YAML pipeline configuration

- **\*\*Best For\*\***: Deployment automation

**#### 30. \*\*Technical Requirements\*\***

- **\*\*Purpose\*\***: Technical specification document

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Technical Requirements"

- **\*\*Output\*\***: Comprehensive technical requirements document

- **\*\*Best For\*\***: Project planning

**#### 31. \*\*Architecture Diagram\*\***

- **\*\*Purpose\*\***: Helix architecture documentation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Architecture Diagram"

- **\*\*Output\*\***: Architecture documentation with diagrams

- **\*\*Best For\*\***: System design documentation

**#### 32. \*\*API Specification\*\***

- **\*\*Purpose\*\***: REST API documentation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "API Specification"

- **\*\*Output\*\***: Complete API specification with examples

- **\*\*Best For\*\***: API documentation

**#### 33. \*\*Data Model Design\*\***

- **\*\*Purpose\*\***: Sitecore data template design

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Data Model Design"

- **\*\*Output\*\***: Data template hierarchy and Glass Mapper models

- **\*\*Best For\*\***: Content modeling

**#### 34. \*\*Security Requirements\*\***

- **\*\*Purpose\*\***: Security framework and compliance

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Security Requirements"

- **\*\*Output\*\***: Comprehensive security requirements document

- **\*\*Best For\*\***: Security planning

**#### 35. \*\*Performance Tests\*\***

- **\*\*Purpose\*\***: Load testing and performance benchmarks

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Performance Tests"

- **\*\*Output\*\***: k6 load testing configuration and metrics

- **\*\*Best For\*\***: Performance validation

**#### 36. \*\*Accessibility Testing\*\***

- **\*\*Purpose\*\***: WCAG compliance and accessibility validation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Accessibility Testing"

- **\*\*Output\*\***: Accessibility testing guide and automation

- **\*\*Best For\*\***: Accessibility compliance

**#### 37. \*\*Docker Setup\*\***

- **\*\*Purpose\*\***: Containerization for development and deployment

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Docker Setup"

- **\*\*Output\*\***: Dockerfile and docker-compose configuration

- **\*\*Best For\*\***: Environment setup

**#### 38. \*\*Monitoring Setup\*\***

- **\*\*Purpose\*\***: Application monitoring and alerting

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Monitoring Setup"

- **\*\*Output\*\***: Application Insights and health check configuration

- **\*\*Best For\*\***: Production monitoring

**#### 39. \*\*Log Analysis\*\***

- **\*\*Purpose\*\***: Log aggregation and analysis

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → "Log Analysis"

- **\*\*Output\*\***: Serilog configuration and ELK stack setup

- **\*\*Best For\*\***: Logging strategy

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**## 📋 \*\*SDLC LIFECYCLE TEMPLATES (36 Total)\*\***

**### 📋 \*\*Planning & Analysis (6 Templates)\*\***

**#### 1. \*\*User Story Template\*\***

- **\*\*Purpose\*\***: Create comprehensive user stories with acceptance criteria

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Planning → "User Story Template"

- **\*\*Output\*\***: Markdown user story template

- **\*\*Best For\*\***: Requirements gathering

**#### 2. \*\*Technical Requirements\*\***

- **\*\*Purpose\*\***: Document technical requirements and constraints

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Planning → "Technical Requirements"

- **\*\*Output\*\***: Technical specification document

- **\*\*Best For\*\***: Project scoping

**#### 3. \*\*Architecture Diagram\*\***

- **\*\*Purpose\*\***: Generate Helix architecture documentation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Planning → "Architecture Diagram"

- **\*\*Output\*\***: Architecture documentation with Mermaid diagrams

- **\*\*Best For\*\***: System design

**#### 4. \*\*API Specification\*\***

- **\*\*Purpose\*\***: Create API documentation and OpenAPI specs

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Planning → "API Specification"

- **\*\*Output\*\***: Complete API documentation

- **\*\*Best For\*\***: API design

**#### 5. \*\*Data Model Design\*\***

- **\*\*Purpose\*\***: Design Sitecore data templates and relationships

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Planning → "Data Model Design"

- **\*\*Output\*\***: Data template hierarchy and models

- **\*\*Best For\*\***: Content architecture

**#### 6. \*\*Security Requirements\*\***

- **\*\*Purpose\*\***: Define security requirements and compliance needs

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Planning → "Security Requirements"

- **\*\*Output\*\***: Security framework document

- **\*\*Best For\*\***: Security planning

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**### 💻 \*\*Development & Implementation (6 Templates)\*\***

**#### 7. \*\*Foundation Module\*\***

- **\*\*Purpose\*\***: Create complete Foundation layer module

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Development → "Foundation Module"

- **\*\*Output\*\***: Complete foundation module with services

- **\*\*Best For\*\***: Foundation layer development

**#### 8. \*\*Feature Module\*\***

- **\*\*Purpose\*\***: Generate Feature layer with MVC components

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Development → "Feature Module"

- **\*\*Output\*\***: Complete feature with controller, model, view

- **\*\*Best For\*\***: Feature development

**#### 9. \*\*Project Module\*\***

- **\*\*Purpose\*\***: Build Project layer with site-specific code

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Development → "Project Module"

- **\*\*Output\*\***: Site-specific implementation

- **\*\*Best For\*\***: Project layer development

**#### 10. \*\*Component Library\*\***

- **\*\*Purpose\*\***: Create reusable UI component collection

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Development → "Component Library"

- **\*\*Output\*\***: Component library structure

- **\*\*Best For\*\***: UI component development

**#### 11. \*\*API Endpoints\*\***

- **\*\*Purpose\*\***: Implement REST API with proper error handling

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Development → "API Endpoints"

- **\*\*Output\*\***: REST API controller with endpoints

- **\*\*Best For\*\***: API development

**#### 12. \*\*Database Integration\*\***

- **\*\*Purpose\*\***: Set up Entity Framework and data access

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Development → "Database Integration"

- **\*\*Output\*\***: Data access layer with EF

- **\*\*Best For\*\***: Database integration

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**### 🧪 \*\*Testing & Quality Assurance (6 Templates)\*\***

**#### 13. \*\*Unit Test Suite\*\***

- **\*\*Purpose\*\***: Comprehensive unit tests with mocking

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Testing → "Unit Test Suite"

- **\*\*Output\*\***: Complete unit test framework

- **\*\*Best For\*\***: Unit testing strategy

**#### 14. \*\*Integration Tests\*\***

- **\*\*Purpose\*\***: Integration tests for Sitecore components

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Testing → "Integration Tests"

- **\*\*Output\*\***: Integration test framework

- **\*\*Best For\*\***: Component integration testing

**#### 15. \*\*E2E Test Framework\*\***

- **\*\*Purpose\*\***: End-to-end testing with Selenium

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Testing → "E2E Test Framework"

- **\*\*Output\*\***: Selenium test automation

- **\*\*Best For\*\***: Browser automation

**#### 16. \*\*Performance Tests\*\***

- **\*\*Purpose\*\***: Load testing and performance benchmarks

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Testing → "Performance Tests"

- **\*\*Output\*\***: k6 load testing suite

- **\*\*Best For\*\***: Performance validation

**#### 17. \*\*Security Testing\*\***

- **\*\*Purpose\*\***: Security testing and vulnerability assessment

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Testing → "Security Testing"

- **\*\*Output\*\***: Security testing framework

- **\*\*Best For\*\***: Security validation

**#### 18. \*\*Accessibility Testing\*\***

- **\*\*Purpose\*\***: WCAG compliance and accessibility validation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Testing → "Accessibility Testing"

- **\*\*Output\*\***: Accessibility testing suite

- **\*\*Best For\*\***: Accessibility compliance

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**### 🚀 \*\*Deployment & DevOps (6 Templates)\*\***

**#### 19. \*\*Azure DevOps Pipeline\*\***

- **\*\*Purpose\*\***: Create CI/CD pipeline for Sitecore deployment

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Deployment → "Azure DevOps Pipeline"

- **\*\*Output\*\***: Complete YAML pipeline

- **\*\*Best For\*\***: Deployment automation

**#### 20. \*\*Docker Setup\*\***

- **\*\*Purpose\*\***: Containerization for development and deployment

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Deployment → "Docker Setup"

- **\*\*Output\*\***: Docker configuration files

- **\*\*Best For\*\***: Environment containerization

**#### 21. \*\*Environment Configuration\*\***

- **\*\*Purpose\*\***: Multi-environment setup and management

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Deployment → "Environment Configuration"

- **\*\*Output\*\***: Environment-specific configurations

- **\*\*Best For\*\***: Environment management

**#### 22. \*\*Monitoring Setup\*\***

- **\*\*Purpose\*\***: Application monitoring and alerting

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Deployment → "Monitoring Setup"

- **\*\*Output\*\***: Monitoring configuration

- **\*\*Best For\*\***: Production monitoring

**#### 23. \*\*Backup Strategy\*\***

- **\*\*Purpose\*\***: Backup and disaster recovery procedures

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Deployment → "Backup Strategy"

- **\*\*Output\*\***: Backup procedures and scripts

- **\*\*Best For\*\***: Data protection

**#### 24. \*\*SSL Configuration\*\***

- **\*\*Purpose\*\***: HTTPS setup and certificate management

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Deployment → "SSL Configuration"

- **\*\*Output\*\***: SSL configuration guide

- **\*\*Best For\*\***: Security setup

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**### 🔧 \*\*Maintenance & Support (6 Templates)\*\***

**#### 25. \*\*Monitoring Dashboard\*\***

- **\*\*Purpose\*\***: Application health monitoring and dashboards

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Maintenance → "Monitoring Dashboard"

- **\*\*Output\*\***: Dashboard configuration

- **\*\*Best For\*\***: System monitoring

**#### 26. \*\*Log Analysis\*\***

- **\*\*Purpose\*\***: Log aggregation and analysis setup

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Maintenance → "Log Analysis"

- **\*\*Output\*\***: ELK stack configuration

- **\*\*Best For\*\***: Log management

**#### 27. \*\*Performance Optimization\*\***

- **\*\*Purpose\*\***: Performance tuning and optimization guides

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Maintenance → "Performance Optimization"

- **\*\*Output\*\***: Performance optimization guide

- **\*\*Best For\*\***: System optimization

**#### 28. \*\*Troubleshooting Guide\*\***

- **\*\*Purpose\*\***: Common issues and resolution procedures

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Maintenance → "Troubleshooting Guide"

- **\*\*Output\*\***: Troubleshooting documentation

- **\*\*Best For\*\***: Issue resolution

**#### 29. \*\*Security Updates\*\***

- **\*\*Purpose\*\***: Security patch management and updates

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Maintenance → "Security Updates"

- **\*\*Output\*\***: Security update procedures

- **\*\*Best For\*\***: Security maintenance

**#### 30. \*\*User Documentation\*\***

- **\*\*Purpose\*\***: End-user and admin documentation

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Maintenance → "User Documentation"

- **\*\*Output\*\***: User documentation templates

- **\*\*Best For\*\***: Documentation creation

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**### 📈 \*\*Optimization & Enhancement (6 Templates)\*\***

**#### 31. \*\*Performance Analysis\*\***

- **\*\*Purpose\*\***: Performance profiling and optimization recommendations

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Optimization → "Performance Analysis"

- **\*\*Output\*\***: Performance analysis framework

- **\*\*Best For\*\***: Performance improvement

**#### 32. \*\*A/B Testing Setup\*\***

- **\*\*Purpose\*\***: A/B testing framework and analytics integration

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Optimization → "A/B Testing Setup"

- **\*\*Output\*\***: A/B testing implementation

- **\*\*Best For\*\***: Feature optimization

**#### 33. \*\*User Feedback System\*\***

- **\*\*Purpose\*\***: Feedback collection and analysis system

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Optimization → "User Feedback System"

- **\*\*Output\*\***: Feedback system implementation

- **\*\*Best For\*\***: User experience improvement

**#### 34. \*\*Feature Enhancement\*\***

- **\*\*Purpose\*\***: Feature improvement and expansion templates

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Optimization → "Feature Enhancement"

- **\*\*Output\*\***: Feature enhancement guide

- **\*\*Best For\*\***: Feature evolution

**#### 35. \*\*Analytics Integration\*\***

- **\*\*Purpose\*\***: Advanced analytics and tracking setup

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Optimization → "Analytics Integration"

- **\*\*Output\*\***: Analytics implementation

- **\*\*Best For\*\***: Data-driven optimization

**#### 36. \*\*Scalability Planning\*\***

- **\*\*Purpose\*\***: Scalability assessment and improvement plan

- **\*\*Usage\*\***: `Ctrl+Shift+P` → "DXP: SDLC Templates" → Optimization → "Scalability Planning"

- **\*\*Output\*\***: Scalability planning guide

- **\*\*Best For\*\***: System scaling

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**## 🎮 \*\*HOW TO USE THE PROMPTS\*\***

**### \*\*Primary Access Methods:\*\***

**#### 1. \*\*Command Palette (Recommended)\*\***

```bash

Ctrl+Shift+P (Windows/Linux) or Cmd+Shift+P (Mac)

```

**#### 2. \*\*Available Commands:\*\***

- `DXP: Generate Component` - Access all 39 component snippets

- `DXP: Browse Templates` - Browse by category (Foundation/Feature/Project)

- `DXP: SDLC Templates` - Access all 36 SDLC lifecycle templates

- `DXP: Search Prompts` - Advanced fuzzy search across all prompts

**#### 3. \*\*Advanced Search Features:\*\***

- **\*\*Fuzzy Search\*\***: Type partial matches to find components

- **\*\*Category Filtering\*\***: Filter by Helix layer or SDLC stage

- **\*\*Context-Aware\*\***: Suggestions based on current file type

- **\*\*Auto-Completion\*\***: Smart suggestions while typing

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**## 📊 \*\*USAGE STATISTICS\*\***

**### \*\*Component Categories:\*\***

- **\*\*Foundation Layer\*\***: 5 components (12.8%)

- **\*\*Feature Layer\*\***: 5 components (12.8%)

- **\*\*Project Layer\*\***: 5 components (12.8%)

- **\*\*UI Components\*\***: 5 components (12.8%)

- **\*\*Testing\*\***: 5 components (12.8%)

- **\*\*Styling\*\***: 1 component (2.6%)

- **\*\*SDLC Components\*\***: 13 components (33.3%)

**### \*\*SDLC Template Distribution:\*\***

- **\*\*Planning & Analysis\*\***: 6 templates (16.7%)

- **\*\*Development & Implementation\*\***: 6 templates (16.7%)

- **\*\*Testing & Quality Assurance\*\***: 6 templates (16.7%)

- **\*\*Deployment & DevOps\*\***: 6 templates (16.7%)

- **\*\*Maintenance & Support\*\***: 6 templates (16.7%)

- **\*\*Optimization & Enhancement\*\***: 6 templates (16.7%)

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**## 🎯 \*\*BEST PRACTICES FOR USAGE\*\***

**### \*\*1. Start with Foundation\*\***

- Use Foundation layer components first

- Build up through Feature to Project layers

- Follow Helix dependency rules

**### \*\*2. Use SDLC Templates\*\***

- Begin with Planning & Analysis templates

- Progress through the development lifecycle

- Use appropriate templates for each phase

**### \*\*3. Leverage Search\*\***

- Use fuzzy search to find components quickly

- Filter by category for focused results

- Take advantage of context-aware suggestions

**### \*\*4. Customize Generated Code\*\***

- All templates are starting points

- Customize for your specific requirements

- Follow your team's coding standards

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**## 🎉 \*\*SUMMARY\*\***

**\*\*Total Prompts Available: 75\*\***

- **\*\*39 Component Snippets\*\*** for code generation

- **\*\*36 SDLC Templates\*\*** for development lifecycle

- **\*\*100% Production Ready\*\*** with comprehensive documentation

- **\*\*Advanced Search & Discovery\*\*** with fuzzy matching

- **\*\*Complete Sitecore Helix Coverage\*\*** across all layers