

# Software Development Standard Deliverables

## Project Lifecycle Methodology

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## Document Control

### Change Record

Date	Author	Revision	Change Reference
09/18/2004	Rafael Soultanov	1	Initial Draft

### Reviewer

Name	Position

### Distribution

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1	Project Management	SolovatSoft
2	Clients	
3	Partners	

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# Project Lifecycle Methodology

LIFECYCLE STAGE	DOC. NO.	DELIVERABLE NAME	OWNER	DESCRIPTION
P1: Business Proposal	P1	Steering Committee Project Proposal <a href="#">Template</a>	Business Owner	<p>This is a high level document that approves the project and the goals of the project.</p> <p>Contains the following sections.</p> <ul style="list-style-type: none"> <li>▪ Project Summary</li> <li>▪ Cost</li> <li>▪ Impact (including tangible and intangible benefits)</li> <li>▪ Implementation Strategy (including dependencies, Risks and Resource conflicts)</li> <li>▪ References (identification of the people and documentation that can further support the project proposal).</li> </ul>
P2: Requirements Clarification	P2	Requirements Document. <a href="#">Template</a>	Project Manager	<p>Contains the following sections.</p> <ul style="list-style-type: none"> <li>▪ Definition of Terms (Glossary)</li> <li>▪ Biz Requirements (Mid Level)</li> <li>▪ Priorities</li> <li>▪ Process Flow Diagram</li> <li>▪ User experience (Number of users, security requirements etc.)</li> <li>▪ Success Criteria</li> <li>▪ Functionality not Required</li> </ul>
P3: Planning	P3.1	Detailed Functional Specification <a href="#">Template</a>	Project Manager	<p>Contains the following sections.</p> <ul style="list-style-type: none"> <li>▪ Detailed Functional Specifications of each Module of the Application</li> <li>▪ Detailed Feature Requirements</li> </ul>
	P3.2	High Level Project Plan	Project Manager	Gantt Chart of high level project tasks. Should identify the different phases of the lifecycle and deliverables as milestones.

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LIFECYCLE STAGE	DOC. NO.	DELIVERABLE NAME	OWNER	DESCRIPTION
P4: Design/Prototype	P4.1	Infrastructure Design Document <a href="#">Template</a>	Dev Tech Lead	Contains the following sections. <ul style="list-style-type: none"> <li>Physical Architecture</li> <li>Network Architecture</li> <li>Tools</li> </ul>
	P4.2	Database Design Document <a href="#">Template</a>	Database Tech. Lead	Contains the following sections. <ul style="list-style-type: none"> <li>Database scope (elaborate on items not discussed in the general scope and describe the scope in greater detail)</li> <li>Data Flow Technical Architecture</li> <li>Data Model Diagrams</li> <li>Entity descriptions (including the descriptions of the columns and applicable business rules)</li> <li>Database Capacity Planning</li> <li>General Notes</li> <li>Resolved Issues</li> <li>Unresolved Issues</li> <li>Appendix (may include the DDL for the Design version of the Data Models).</li> </ul>
	P4.3	Front-End/Middle Tier Design Document. UI Design <a href="#">Template</a>	Front-End/Middle Tier Tech Lead	Contains the following sections. <ul style="list-style-type: none"> <li>UML Diagrams</li> <li>Class Descriptions</li> <li>GUI Mock-ups</li> <li>Use Cases</li> <li>Error Handling</li> <li>Event Logging</li> <li>APIs and Interfaces</li> </ul>

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LIFECYCLE STAGE	DOC. NO.	DELIVERABLE NAME	OWNER	DESCRIPTION
P5: Finalize Product Specification	None	Conduct Project Review - Finalize All P1 – P4 Documents As Necessary	Project Manager	There are no documents to be produced for this stage.
P6: Development	P6.1	Database Development Specification <a href="#">Template</a>	Database Tech. Lead	Contains the following sections. <ul style="list-style-type: none"> <li>Detailed ETL Design Doc, including field transformations</li> <li>Low level data flow</li> <li>Updated ERD and Specs</li> <li>Unit Tested SQL and PL/SQL Code along with appropriate release documentation.</li> </ul>
	P6.2	Front/middle Tier Development Specs <a href="#">Template</a>	Front-End/Middle Tier Tech Lead	Contains the following sections. <ul style="list-style-type: none"> <li>Unit tested code along with appropriate release documentation.</li> <li>Update UML diagrams and documentation</li> <li>Updated Functional Specifications.</li> <li>Unit Tested SQL and PL/SQL Code along with appropriate release documentation.</li> </ul>
	P6.3	Test Plan <a href="#">Template</a>	QA Lead	Contains the following sections. <ul style="list-style-type: none"> <li>Detailed test plan for each module (based on User acceptance criteria Security considerations)</li> <li>Separate sections for different types of testing to be conducted (Stress test, Performance Test, etc. including sub-sections for different modules to be tested).</li> </ul>

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LIFECYCLE STAGE	DOC. NO.	DELIVERABLE NAME	OWNER	DESCRIPTION
P7: Release Management & QA	P7.1	QA Test Results <a href="#">Template</a>	QA Lead	<p>Contains the following sections.</p> <ul style="list-style-type: none"> <li>▪ Test Environment (including specifications for the Hardware, Software, and Network).</li> <li>▪ Integration Test results</li> <li>▪ Regression Test Results</li> <li>▪ Stress Test Results</li> <li>▪ Usability Test results</li> <li>▪ Data Validation.</li> <li>▪ Actual QA Scripts</li> </ul>
	P7.2	Installation and Release Document <a href="#">Template</a>	Dev Tech Lead	<p>Contains the following sections.</p> <ul style="list-style-type: none"> <li>▪ Release Notes identifying important notes not included in the Development documents.</li> <li>▪ Installation Guide (identification of the steps to be taken to install, including specifying the set up of the environment for the software.</li> <li>▪ Migration plan</li> <li>▪ Other sections that may be specific to each project</li> </ul>
P8: Operations	P8.1	Operations Manual <a href="#">Template</a>	Dev Tech Lead	<p>Contains the following sections.</p> <ul style="list-style-type: none"> <li>▪ Front-tier operations</li> <li>▪ Database operations</li> <li>▪ Monitoring Operations</li> <li>▪ Other sections that may be specific to each project.</li> </ul>
	P8.2	SLA <a href="#">Template</a>	Project Manager	<p>Contains the following sections.</p> <ul style="list-style-type: none"> <li>▪ Performance Requirements</li> <li>▪ Uptime Requirements</li> <li>▪ Maintenance Requirements</li> </ul>

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LIFECYCLE STAGE	DOC. NO.	DELIVERABLE NAME	OWNER	DESCRIPTION
P9: Debrief	P9	Project Summary <a href="#">Template</a>	Project Manager	Contains the following sections. <ul style="list-style-type: none"><li>▪ Feedback</li><li>▪ Areas For Improvement</li><li>▪ Recommendations</li></ul>