

## CIS 350 – Introduction to Software Engineering

	Draft	Final	Estimated Effort
<b>Team &amp; Project Information:</b> <ul style="list-style-type: none"> <li>Cover page with project name and names of team members</li> <li>Brief Project description</li> <li>List of features supported in each release</li> <li>Sample screenshots of application</li> </ul>	10	10	5%
<b>Planning:</b> <ul style="list-style-type: none"> <li>Software Process Model Used</li> <li>Plan for Definition, Development, Verification, Maintenance &amp; Umbrella Activities</li> <li>Responsibilities/Roles of each team member</li> <li>Gantt Chart of features / tasks</li> </ul>	15	10	10%
<b>Specification:</b> <ul style="list-style-type: none"> <li>Use case diagram and use case descriptions</li> <li>Requirements and traceability to use cases</li> </ul>	15	10	10%
<b>Design:</b> <ul style="list-style-type: none"> <li>Class diagrams and class descriptions</li> <li>Function decomposition and descriptions</li> </ul>	30	20	5%
<b>Development:</b> <ul style="list-style-type: none"> <li>Code standards report and assessment</li> <li>Static analysis report and assessment</li> <li>Generated code documentation in HTML or other output format</li> </ul>	10	40	15%
<b>Configuration Management:</b> <ul style="list-style-type: none"> <li>Git log for the remote repository</li> <li>URL to the remote Git repository</li> </ul>	10	15	10%
<b>Verification:</b> <ul style="list-style-type: none"> <li>Unit and System / Integration Tests</li> <li>Code coverage reports from: <ul style="list-style-type: none"> <li>Unit testing, and</li> <li>System / Integration testing</li> </ul> </li> <li>Requirements Traceability</li> </ul>	5	45	20%
<b>Customer Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>Release Demo: How well do features work?</li> </ul>	5	30	N/A
<b>Project Status / Postmortem:</b> <ul style="list-style-type: none"> <li>Self-reflection <i>and</i> team reflection by each team member</li> <li>Current Earned Value and Metrics</li> <li>Justification of any imperfect code coverage, bug reports, ...</li> <li>Lessons Learned</li> </ul>	25	45	25%
<b>Total</b>	<b>125</b>	<b>225</b>	<b>100%</b>