

CSC470: Software Engineering
Department of Computer Science, Univ. of South Dakota
Spring 2017 Semester

Type of document: Final Report

Submitted by: (name and id of student) On date:

Total points: 100 Pointed awarded:

Instruction:

Use US Letter with 1-inch margins, 11 point fonts, single line, and the maximum length is 20 pages, excluding appendix. The document must include the following sections.

All figures and tables must be numbered, captioned in bold font, and mentioned in the main text.

Suggested allocations of credit for each section is indicated in parentheses following the title.

1. Cover Page and Table of Contents (5%)

Include as appropriate: Team name, Team member, Course number and section, Instructor, Submission date.

2. Executive Summary with 1-page (5%)

High level summary of the project goals, motivation or problem issues (requirements), design considerations and choices to solve the problems (to achieve the goals), implementation and simulation results, validation and testing plans.

Main Body

3. Introduction (5%)**4. Goals (5%)****5. Specific Requirements (10%)**

Functional and non-functional requirements, Revisions (Version)

Use case model

6. System Design

Design Overview (10%) – provide an overview of the design, including diagrams, key design subsections, and how they relate or connect to one another.

Realistic Constraints and Professional Standards (5%) – Identify and discuss realistic constraints on the problem, such that constraints may include economic, environmental, social, ethical, health and safety, manufacturability, policy issues, etc.

Alternative Designs and Design Choices (5%) – describe alternative designs that were considered during execution of the project. Discuss how design choices were guided by constraints and other factors.

7. System Implementation (20%)

Technical details for subsystems and at systems level - describe the technical details for each of the subsystems or at the system-level.

8. System Testing

Test Plan (10%) – test plan for completed project. Project planning and management.

Test Results (10%)

9. Conclusions (5%)

Overall summary of design methodologies, key creative approaches and potential contribution/impact.

10. References (5%)

