SE 4485: Software Engineering Projects

Fall 2024

Project Management Plan

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| --- | --- |
| Group Number | Group 11 |
| Project Title | O.A.S.I.S - Observational Analytics and Space Intelligence System |
| Sponsoring Company | Raytheon (RTX) |
| Sponsor(s) | Marc Perna  Trevor Lang  Ryan Havens |
| Students | 1. Josh Duke (Group Leader)  2. Ashlynn Norris  3. Clara Connor  4. Al Altaay  5. Tsion Yigzaw |

# TITLE PAGE

ABSTRACT

* brief summary of the entire document

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INTRODUCTION

* introduction to the entire document
* purpose and scope of the document
* brief overview of the product   
  (including purpose, capabilities, scenarios for using the product, etc.)
* description of the structure of the document

# PROJECT ORGANIZATION

* describe the way in which the development team is organized, the people involved, and their roles on the project
* include the rationale

# LIFECYCLE MODEL USED

* describe the lifecycle model used
* include the rationale

# RISK ANALYSIS

* describe possible project risks, the likelihood of these risks arising, and the risk reduction strategies that are proposed
* include the rationale.

# SOFTWARE AND HARDWARE RESOURCE REQUIREMENTS

* describe the software and hardware required to carry out the development.
* both software and hardware must be available in the lab
* include the rationale

# DELIVERABLES AND SCHEDULE

* describe the activities, dependencies between activities, the estimated time required to reach each milestone, and the allocation of people to activities
* include the rationale

# MONITORING, REPORTING, AND CONTROLLING MECHANISMS

* describe the management reports that should be produced, when these should be produced, and the project monitoring and control mechanisms used
* include the rationale

# PROFESSIONAL STANDARDS

* describe the expected behavior of the team members related to scholastic dishonesty, meeting schedule and quality expectations for tasks and deliverables, etc
* include the rationale
* refer to Appendix A for more details

# EVIDENCE THE DOCUMENT HAS BEEN PLACED UNDER CONFIGURATION MANAGEMENT

ENGINEERING STANDARDS AND MULTIPLE CONSTRAINTS

* students should work with their project sponsor(s) to identify all the standards and constraints that should be applied for preparing this document

ADDITIONAL REFERENCES

* include other related references that are not included the section above

**Appendix A.**

The following provides a professional standards guideline for the teams. This guideline may be tailored. The professional standards must be agreed upon by each member in the team.

Guideline:

On the first occurrence of unacceptable behavior, determine the circumstances involved, resolve the problem, and document the event in the meeting minutes.

On a second occurrence, notify the instructor of the problem. A meeting will be set up to evaluate the situation and resolve the problem.

On a third occurrence, again notify the instructor of the problem. A meeting will be set up to evaluate the situation and resolve the problem. At this point, the team will have the *option* of removing the team member. If removed, then the team member receives a pro-rated grade based on the number of weeks they have participated in the group.

Examples of unacceptable behavior may include not delivering on time, delivering poor quality work, missing team meetings, being unprepared for team meetings, disrespectful or rude behavior, etc. Reasons such as “too busy” or “I forgot”, or “my dog ate my design model” are unacceptable.

Valid reasons that must be considered include those listed for obtaining an incomplete standing in a course (illness, death in the family, travel for business or academic reasons, etc.)