Implementation Planning

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ARCHITENTERPRISES

Project Development Risks

- We are unable to complete the milestones by the assigned deadline and become backlogged.
- We become short staffed and unable to properly carry out the tasks to the schedule.
- We are unable to communicate properly with the collaborating team and this may introduce delays.

Milestones

- Review final specifications
- Plan implementation of specifications
- Have basic design document reviewed by customer
- Finalize design document
- Design document signed-off by management
- Implementation of shell for designed program
- End-to-end Prototype
- Full integration of interface/Enhanced Prototype
- Inspections
- System Delivery

Schedule

- February 25
  - Review Final Specification
  - Implementation planning
  - create design document
  - send document to be reviewed by customer
- February 28
  - Finalize design document
- March 3
  - Design document signed-off by management

- March 4
  - Development tools and protocol
  - Implementation of shell for designed program
- March 12
  - Begin implementation of system
- March 18
  - System design due
  - Continue implementation
  - through testing during implementation

Schedule

- March 25
  - End-to-end Prototype due
    - Component prototypes
    - Prototype Integration
  - Implementation of system complete (with basic interface)
  - Continue further testing
- April 8
  - Enhanced Prototype due
  - Full integration of system with interface
  - Full system testing
- April 15
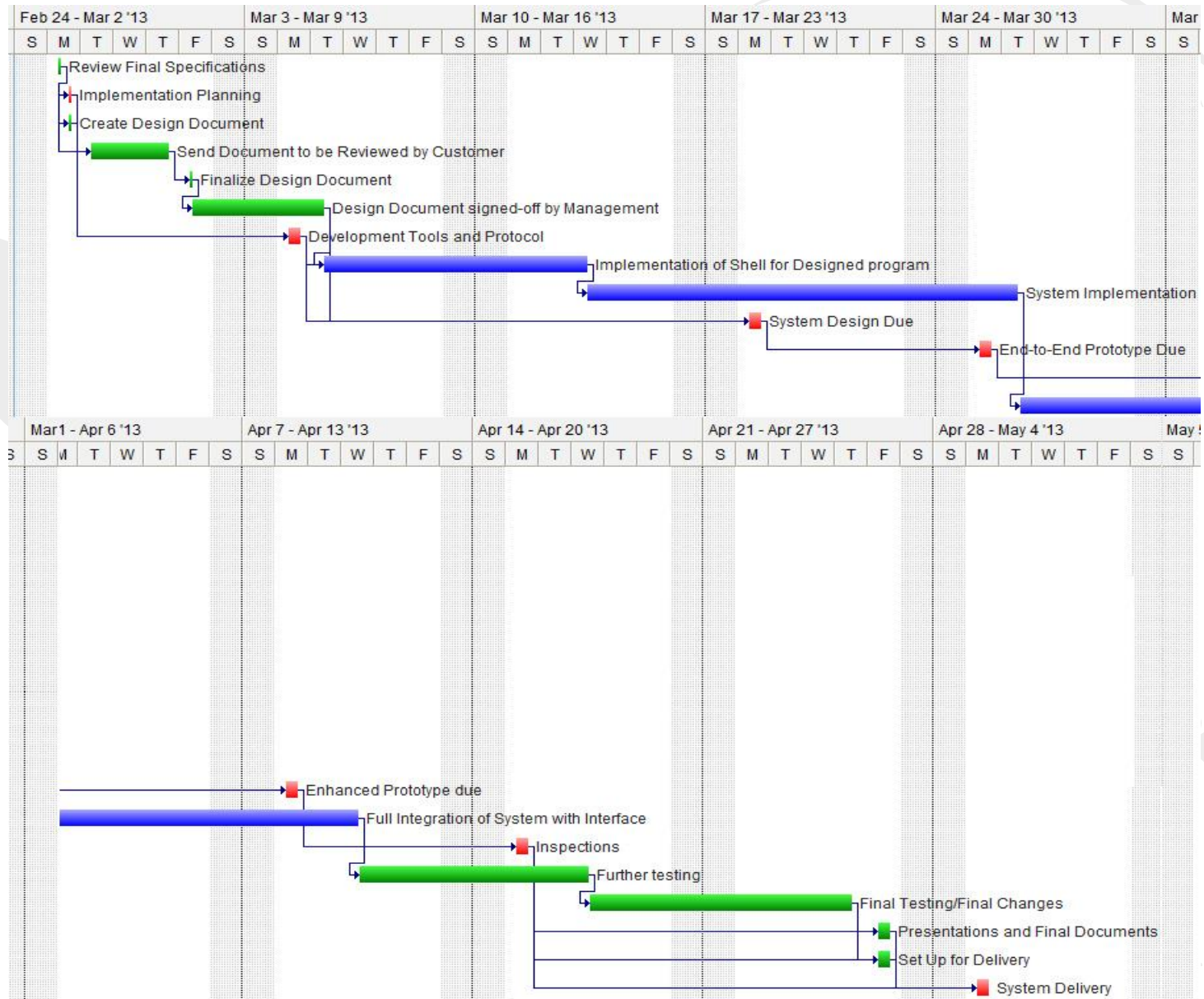 - Inspections
- April 22
  - Final testing
  - Final changes
- April 28
  - Presentations/Final documents
  - Set up for delivery
- April 29
  - System delivery

Gant Chart

Feb 24 - Mar 2 '13	Mar 3 - Mar 9 '13	Mar 10 - Mar 16 '13	Mar 17 - Mar 23 '13	Mar 24 - Mar 30 '13	Mar
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S

Review Final Specifications
Implementation Planning
Create Design Document
Send Document to be Reviewed by Customer
Finalize Design Document
Design Document signed-off by Management
Development Tools and Protocol
Implementation of Shell for Designed program
System Implementation
System Design Due
End-to-End Prototype Due

Mar1 - Apr 6 '13	Apr 7 - Apr 13 '13	Apr 14 - Apr 20 '13	Apr 21 - Apr 27 '13	Apr 28 - May 4 '13	May 5
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S

Enhanced Prototype due
Full Integration of System with Interface
Inspections
Further testing
Final Testing/Final Changes
Presentations and Final Documents
Set Up for Delivery
System Delivery

Process Report

- ## Success
  - Worked with other team to develop a communications document
  - Obtained from the other team a specification document in SCR format.
  - Streamlined productivity by ensuring each member is doing tasks that they are best suited for
  - Use third party tools, such as GitHub and Trello, to aid in organization and quality of deliverables

- ## Problems
  - Communication with partner team.
  - Scheduling issues for meeting times
  - Deciphering what is expected from us to complete a given task

Process Report

- ## Process Refinement
  - Take a methodical, step-by-step approach to complete tasks
  - Currently at repeatable level in CMM
  - Currently have multiple weekly meetings to ensure every team member is up to date on current state of project
  - Begin each meeting by conversing with the point of contact to get an understanding of where the partner group is in the process.

Positive Critique of Specification

- Questions
  - Why did you feel that the running, stopped, turning, or other similar modes were not necessary?
  - What requirements do you have to determine the maximum speed variable?
  - What requirements do you have to determine the max arc radius variable?
  - Where are the Character Messages being defined?
- Good points
  - Line numbers made it easy to reference.

CoCoMo

$$\Pi_i EM_i * 2.4 * (KDL)^{1.05}$$

- Based on this, we decided KDL would be around 1.1
- Effort per Individual. We feel we are average and thus 1.0
- This creates a CoCoMo Estimate of:
- 49.51