

Martin Cleaners  
Database Management System

Systems Documentation Wrap-up

*Mavs*

*Christopher Kozeny*

­

*Erik Eiler*

­

*John Manzo*

­

*Joe Cremeens*

­

*Shafiq Jahish*

­

August 9, 2019

University of Nebraska at Omaha

**Cross-Reference Index to Systems Analysis & Design Milestones**

**Introduction**

1. Systems Purpose & Objectives
   1. Mavs\_M4\_RDoc\_v1.3 on page 38.
2. Expected Organizational Benefits
   1. Mavs\_M4\_RDoc\_v1.3 on page 38.

**Project Economics**

1. Original cost-benefit analysis
   1. Mavs\_M4\_Appendices\_v1.4 on page 108.
2. Post-project cost-benefit analysis
   1. Mavs\_Final\_Actuals\_EFA\_v1.1

**Hardware & Network Design**

1. Hardware Platform & Computer Architecture Design
   1. Mavs\_M8\_RDoc\_v1.1 on page 21.

**Commercial Software & Operating Systems**

1. Program Names, Versions, & Vendors
   1. Mavs\_M8\_RDoc\_v1.1 on page 43.

**Proprietary Software**

1. Data Flow Diagrams
   1. Mavs\_M4\_Appendices\_v1.4 on page 148.
2. Structure Charts
   1. Mavs\_M8\_Appendices\_v1.1 on page 112.
3. Input & Output Design, Screens & Reports
   1. Mavs\_M8\_RDoc\_v1.1 on page 29.
4. Program Run Sheets
   1. Mavs\_M8\_RDoc\_v1.1 on page 46.

**Data Dictionary**

1. Entity-Relationship Diagrams
   1. Mavs\_M8\_Appendices\_v1.1 on page 106.
2. File & Database Design
   1. Mavs\_M8\_Appendices\_v1.1 on page 108.
3. Description of all Data Elements
   1. Mavs\_M8\_Appendices\_v1.1 on page 108.
4. CRUD Tables
   1. Mavs\_M8\_RDoc\_v1.1 on page 51.

**Comprehensive Systems Controls Plan**

1. Mavs\_M8\_RDoc\_v1.1 on page 25.

**Testing Plan**

1. Mavs\_M8\_RDoc\_v1.1 on page 60.

**Implementation Plan**

1. Mavs\_M8\_RDoc\_v1.1 on page 64.

**Maintenance Plan**

1. Mavs\_M8\_RDoc\_v1.1 on page 67.

**Post-Project Evaluation**

1. Complete Gantt Chart for Project
   1. Mavs\_M8\_Appendices\_v1.1 on page 110.
2. Comparison of actual schedule to original estimate
   1. The overall estimated duration for the project was 26 days, with an actual time spent of 31.81 days. Milestone 5 had an estimated time of 6 days, Milestone 6 of 6 days, Milestone 7 of 6 days, Milestone 8 of 6 days and the Final Project of 6 days. The actual times for each one respectively was 3.84 days, 2.22 days, 5.91 days, 8.59 days, and 11.25 days.
3. Comparison of actual costs & benefits to original estimate
   1. The estimated One-Time Costs were originally projected at $5,970, with actual coming out to $7,332. Estimated Annual Recurring Costs at $1,900, and actual at $1,400. Estimated Net Present Value (5 years) at $10,049, with actual at $8,687. Estimated Return on Investment at 84%, with actual being 65%. Estimated Break-even Point at 1.86 years, with actual at 1.99 years. Estimated Design & Development Hours at 200, with actual being at 254.5. Learning curve challenges with Modeling Techniques, CASE Tools, and Microsoft Access. Unanticipated complexity with Microsoft Access.
4. Future System Modifications & Enhancements
   1. Nothing currently planned.
5. Post-Implementation Evaluation
   1. After the implementation is completed, we would like to know how the system is working and whether our client has any issues or questions so for that reason a follow communication will be made with the client to have a post implementation overview. During the post implementation overview, we will make sure user is able to use the application for data entry, tracking inventory, and generating invoices. We will also make sure that user used the application to generate invoices for that month and make sure it worked.

Task: post implementation overview

Responsible Person: John Manzo

When: 9/12/2019.