

Upper Allen Fire Department – Purchase Order System
CSC 332B Spring 2003
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Document Specifying Completed Functionality

Statement of Functionality: After Milestone 6, our team has met the goals that were formulated in the initial milestone in terms of functionality, usability, and processes. By using an iterative approach to system design, we were able to spend a significant amount of time on bug fixes and other features not initially specified. We think that the system is stable ready for deployment and daily use.

Future Functionality: It is our hope that a future project team will take on this project and add advanced functions to the user interface that will make an existing system more robust and flexible. Some of these areas may include:

- A search module that will allow the user to find a purchase order by any number of criteria including date, vendor, designation, and others.
- A print module that will allow the user to print custom reports on the fly based on user criteria. Currently, each report must be custom generated by an advanced user.
- Transaction management.
- A VB interface separate from the actual database.
- A module to migrate old data without compromising referential integrity issues.

High Priority SRS Requirements

- 2.2.1.6. Designation For Purpose – **COMPLETED**
- 2.2.1.7. Add Line Item - **COMPLETED**
- 2.2.1.10. Delete Line Item - **OUTSTANDING**
- 2.2.1.11. Edit Purchase Order - **COMPLETED**
- 2.2.1.12. Void Purchase Order - **COMPLETED**
- 2.2.1.13. Type of Sale Designation - **COMPLETED**
- 2.2.1.14. Cost Center Designation - **COMPLETED**
- 2.2.1.15. Purchasing Agent Designation - **COMPLETED**
- 2.2.1.16. Purchasing Agent Authorization - **OUTSTANDING**
- 2.2.1.17. Purchase Order Received Invoice - **COMPLETED**
- 2.2.1.18. Purchase Order Mark Complete - **COMPLETED**
- 2.2.1.19. Create Purchase Order - **COMPLETED**
- 2.2.1.20. Query Complete Purchase Order - **COMPLETED**
- 2.2.1.21. Query Outstanding Purchase Order - **COMPLETED**
- 2.2.1.23. Add Purchasing Agent - **COMPLETED**
- 2.2.1.24. Delete Purchasing Agent - **OUTSTANDING**

Medium Priority SRS Requirements

- 2.2.1.1. Change Number Sequence - **OUTSTANDING**
- 2.2.1.2. Select Vendor - **COMPLETED**
- 2.2.1.3. Vendor Address Auto Fill - **COMPLETED**
- 2.2.1.4. ShipTo Address Auto Fill - **COMPLETED**
- 2.2.1.5. Date Auto Fill - **COMPLETED**
- 2.2.1.8. Query Line Item - **COMPLETED**
- 2.2.1.9. Field Validation – **COMPLETED**
- 2.2.1.22. Query Vendor - **COMPLETED**
- 2.2.1.25. Reports - **COMPLETED**
- 2.2.2.1. Add New Vendor - **COMPLETED**

- 2.2.2.2. Edit Vendor - **COMPLETED**
- 2.2.2.3. Delete Vendor - **OUTSTANDING**

Low Priority SRS Requirements

- 2.2.2.4. Query Vendor - **COMPLETED**
- 2.2.3.1. Add Line Item - **COMPLETED**
- 2.2.3.2. Edit Line Item - **COMPLETED**
- 2.2.3.3. Query Line Item - **COMPLETED**
- 2.2.3.4. Delete Line Item - **OUTSTANDING**
- 2.2.4.4. Report – PO's Waiting For Invoice - **COMPLETED**
- 2.2.4.5. Report – PO's Not Yet Complete - **COMPLETED**
- 2.2.4.6. Report – PO's Complete - **COMPLETED**
- 2.2.4.7. Report – PO's Void - **COMPLETED**

Additional Comments:

Because of the data model that we chose, some of the requirements could not be implemented until we have a functional way to migrate data. For instance, if we delete a line item, it will affect all purchase orders that have been issued containing that line item, thus changing total amounts and creating anomalies in the database. Because we have chosen an auto number sequence for the purchase order numbering scheme, there is not an easy way to change the starting numeral. We do not think that the completed system will have a need for this feature because the purchase order system does not have to adapt to an existing purchase order scheme.