**Proposal of Work**

**For**

**1-211th S6**

**Project: Asset Inventory Tracker**

**Project Overview**

1-211th S6 would like to complete the design and functionality for an asset inventory tracking system. The scope for this project can be found below and 1-211th S6 would like these tasks to be completed as quickly as possible.

**Project Details**

The forms to be designed can be found below along with a description of the desired functionality:

**Search Form (Main Screen)**

* Form will contain a method for searching the database based on selected criteria.
  + Criteria will be limited to fields that exist in the data structure.
* Form will include data-grids for displaying the results of the search.
  + All searches will populate both the User and Asset data-grids according to the datagram relations (see attached database diagram).
* Buttons for Add, Edit, and Delete of either Users or Assets will be included on this form.
* A Print button will be included to format the results and save them to file.

**Create User Form**

* Form will contain text regions corresponding to the user fields in the database.
  + Required fields will be marked accordingly
* Save and Cancel buttons will be included on the form.
  + Upon successful creation of user the form will close and return to the main screen.
  + Upon cancellation data on form is discarded, form will close and return to main screen.
* Form will return error when a required field is omitted or when duplicate user is detected.
  + Criteria for duplicate user are direct match of: User ID or Last Name and Rank.

**Update User Form**

* Form will contain text regions corresponding to the user fields in the database. Said text regions will be auto populated from the database on form load.
  + Required fields will be marked accordingly.
* Save and Cancel buttons will be included on the form
  + Upon successful update of user the form will close and return to main screen.
  + Upon cancellation changes will be discarded, form will close and return to main screen.
* Form will return error when a required field is omitted or when duplicate user is detected.
  + Criteria for duplicate user are direct match of: User ID or Last Name and Rank.

**Create Asset Form**

* Form will contain text regions corresponding to the asset fields in the database.
  + Required fields will be marked accordingly
* Save and Cancel buttons will be included on the form.
  + Upon successful creation of an asset the form will close and return to the main screen.
  + Upon cancellation data on form is discarded, form will close and return to main screen.
* Form will return error when a required field is omitted or when duplicate asset is detected.
  + Criteria for duplicate asset are direct match of: Serial Number.

**Update Asset Form**

* Form will contain text regions corresponding to the asset fields in the database. Said text regions will be auto populated from the database on form load.
  + Required fields will be marked accordingly.
* Save and Cancel buttons will be included on the form
  + Upon successful update of an asset the form will close and return to main screen.
  + Upon cancellation changes will be discarded, form will close and return to main screen.
* Form will return error when a required field is omitted or when duplicate user is detected.
  + Criteria for duplicate user are direct match of: Serial Number.

**Other**

* 1-211th S6 reserves the right to add or remove forms or functionality from this scope as they see fit. Estimates will be modified to match the scope.

**Database Details**

The schema of the database to be designed can be found below.

**User Table**

* User ID
  + Unique identifier, suggest AKO username
* First Name
* Last Name
* Rank
  + 3 letter identifier. Selectable by combo box on appropriate forms.
* Company
  + Phonetic Identifier or HHC. Selectable by combo box on appropriate forms.
* Position
  + 50 characters or less description.
* Location
  + Individuals’ current physical post.
* ATCS
  + Date when IA training will expire.

**Asset Table**

* Asset ID
  + Unique identifier, numeric ascending.
* User ID
  + Foreign key from User table
* Hand Receipt ID
  + Identifier written at the top right corner of the DA Form 2062
* Make
* Model
* Serial Number
* MAC Address
* IP Address
* Operating System
* Phone Number
* Location
  + Current physical location of the asset
* Port
* Network
  + NIPR, SIPR, CITRIX

Note: 1-211th S6 reserves the right to add or remove from the database scope as they see fit in order to facilitate their tracking needs.

**Estimate**

It is estimated that this project will take between 20-30 hours subject to changes on the final scope approval.

**Rate**

Young-Colver ltd will offer a discounted rate of $75 per hour to complete the tasks described above. Total project will cost an estimated$1500-$2250 based on the time estimates above.

**Estimated Delivery**

Young-Colver ltd will deliver the project as described herein no later than Friday, April 27, 2012.