

**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.

