**Assignment 3 - Project Plan**

**Fixed Asset Tracker:**

After working in a finance and accounting role for 3 years, I have worked with fixed assets a lot. I decided this would be the perfect application to make use of CRUD.

The program will let the accountant manage all their assets. This includes capitalizing new assets, retiring assets (deletion) and viewing the balances and value of their assets. This program should conform to general accounting guidelines (e.g. minimum $100 for capitalization, no longer than 30 years or shorter than a year).

* **Dashboard**
  + Will contain an overview of the accountant’s book value for assets
* **Asset List**
  + Will contain a list of basic information about each asset
  + Will allow the user to retire the asset (remove function) or update asset information
    - The update function should retain current values
    - The update function will use a similar view to Asset Addition
    - Delete should prompt the user to confirm
* **Asset Addition** is the create function (will be a separate page)
  + Asset Name
  + Asset Description
  + Asset Class
    - Should be a pre-defined list to choose from
      * Building
      * IT Equipment
      * Machinery
      * Etc.
  + Asset Tag
    - Should be a short length
  + Acquisition Date
    - Should be stored in date format to allow for depreciation calculations
  + Useful Life
    - Stored in months to allow for easy Straight Line depreciation calculation
  + Asset Cost
    - Must be a minimum of $100. Anything less should not be capitalized.
* **Net Book Value Report (NBV Report)**
  + The most useful tool for the accountant
  + Will calculate the total asset cost and depreciation information based on what was entered into the database and display it in a table along with the asset.
  + Will make use of built-in JavaScript methods to compare the current date to the acquisition date.
  + Will calculate:
    - Cost Balance
      * The total cost of assets
    - Monthly Depreciation
      * Cost divided by useful life
      * Total and for each asset
    - Net Book Value
      * Monthly depreciation multiplied by the total months the asset has been in use, then subtracted from the cost