**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.

* 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