***LifePlan schematics: General approaches and schemes.***

# Main entities:

* Income
* Expense
* Asset
* Loan
* Saving

For every main entity, some key configurations are needed.

# Configurations:

* Common (Configurations that are used in more than one entity)
  + DscStr:   
    It is used to identify the various elements in the data base.  
    Entities from different type can have the same name, but no two same-type entities will have the same name.  
      
    Relevant functions:
    - LpFetchElementIndexByString  
      This function can will receive a cell array of entities and will return the index of the wanted entity.
  + Dates:  
    This indicates the time frame of the entity. One can enter them in units of
    - Years (From simulation start date, can be non-integer, will be rounded to integer number of months)
    - Months (From simulation start date, will be rounded to integer)

Sub configuration:

* + - Start
    - End
    - Duration

Relevant functions:

* + - LpCalculateDuration  
      Will receive two dates with any units, and return the duration between them in integer number of months.
  + Frequency:  
    Determines how often an event occurs (how often does one recive salary, pay back loan, gets a raise etc.) Can be “yearly” or “monthly”
* Income
  + DscStr
  + Amount
  + Frequency
  + Dates
    - Start
    - Duration
  + Tax
    - Val  
      Tax amount
    - Units  
      Tax units {'PrecentOfIncome','ActualAmount'}
* Expense
* Asset
* Loan
* Saving