Project 3 – Thing to Think About BEFORE you begin coding

1. Data Design – THIS IS MOSTLY DONE AND COMES FROM DATA FLOW DIAGRAM and DATA DICTIONARY work already done (i.e. only update Data Dictionary for items related to use case already completed)
   1. Data Structure
      1. Data Stores
      2. Structure – Layout (file/DB/etc)
      3. Relationships
   2. Data Dictionary
2. Architecture – LIST OF PROGRAMS THAT MAKE UP THE APPLICATION AND THEIR DESCRIPTION (should describe with a paragraph or some bullet points), WHAT PROGRAMS INTERACT WITH OTHER PROGRAMS, WHAT IS SEQUENCE OF PROGRAMS TO BUILD
   1. High level framework (components and relationships)
   2. Order of creation
3. Components – how is each program going to be built
   1. Decomposition Diagram – method focused – what methods will the program have in it
   2. High level inputs into/outputs out of program (level - input data from screen x, input file y, output report z)
   3. Algorithms – LOGIC in ANY format (pseudo-code, outline, etc. – must show logical breakup matching to decomposition above)
4. User Interfaces – mock-ups
   1. Screens- menus, etc.
   2. Reports
   3. Invoice to customer
   4. Packing/picking slip for warehouse
5. System Interfaces
   1. Files – from descriptions already provided
   2. External System – may not have any
6. Updated testing
   1. Strategy – any updates?
   2. Plan – think of test cases, input to test cases, expected results, focus on System testing cases but you need to show you have thought about a plan on how to conduct unit and integration testing)
      1. White-box testing
         1. Unit
         2. Interface/integration testing
      2. Black-box
         1. System
   3. Metrics – to help team lead/PMs know progress