Phase 3: Design  
Fall 2000

Design is a process through which the requirements/specification are translated into a “Blue Print” -i.e. structural and procedural- for constructing the software system. In our project, we will utilize

a) Data Flow Oriented Design Technique to translate the DFD into a PSD (Program Structure Diagram) and
b) OO Technique to build a detailed Class Diagram

Hence, the design consists of the following 4 activities:
1. Translating the DFD into a PSD
2. Writing the data types based on the data dictionary (ID)
3. Add Operations to the Class Diagram developed in Specification
4. Make any changes necessary in the specification and requirements (I and II sections) in order to be consistent with the design

III Design

1. Introduction
1.1 Purpose
1.2 Definitions, Acronyms or Abbreviations
1.3 References
1.4 Overview

2. Program Structure Diagram
   - Put your PSD here

3. Data Types of the System
   - Describe the data types using <Type Declaration> in the PDL
     The data dictionary will be the basis for this section
   3.1 DataType <TypeName>
   3.2 DataType <TypeName>
   …
   3.n DataType <TypeName>

4. Detailed Class Diagram