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# General Instructions

* Each section should begin on a new page.
* Repeat sections as necessary
  + Repeat subsections (functions, methods, …) as necessary
* Delete any unused portions
  + If a function/method has no input parameters, remove the Input line.
  + If your program does not contain a class, remove the class template page.
* Avoid code in algorithm sections
* Remove these instructions before final submission.

# Project Overview

Provide a general overview of the design of your project. Include a discussion of the major algorithms, and data structures. Each will be discussed in more detail in a corresponding section.

**Structure Chart**

Insert a structure chart (smart art) or a screen shot of the structure chart. Use landscape mode if required.

**UML Diagram**

Insert one or more UML diagrams showing the overall class structure of your program.

# Top Level Functions

Provide a discussion of the top level functions in your program.

**Main**

Narrative:

*Type algorithm here*

**Function:** FunctionName

Narrative:

Input:

Output:

*Type algorithm here*

**Function:** FunctionName

Narrative:

Input:

Output:

*Type algorithm here*

# Enumerated1T (Enumeration)

Provide a high level description of the enumerated type.

Properties

Domain of the EnumeratedT

LIST ALL VALUES THE ENUMERATED TYPE MAY ASSUME

Behaviors

List the actions that can be taken on the enumerated type.

This is probably a list of functions that need to be implemented to support the enumerated type. These functions are described in more detail below.

Discussion:

Describe any special considerations associated with the enumerated type.

**Function:** FunctionName

Narrative:

Input:

Output:

*Type algorithm here.*

**Function:** FunctionName

Narrative:

Input:

Output:

*Type algorithm here.*

**Function:** FunctionName

Narrative:

Input:

Output:

*Type algorithm here.*

# Structure1T (Structure)

Provide a high level description of the structure.

Properties

List and describe the different properties of the structure.

Behaviors

List the actions that can be taken on the structure.

This is probably a list of functions that need to be implemented to support the enumerated type. These functions are described in more detail below.

Discussion:

Describe any special considerations associated with the structure.

**Function:** FunctionName

Narrative:

Input:

Output:

*Type algorithm here.*

**Function:** FunctionName

Narrative:

Input:

Output:

*Type algorithm here.*

# Class1T (Class)

Provide a high level discussion of the class.

Consider including a UML diagram showing class relationships.

Properties

List the properties of the class.

This is most likely a list of the member data.

Do not provide code, provide a DESCRIPTION of data.

Behaviors

List the behaviors of the class.

This is most likely a list of the methods.

These methods are described in more detail below.

Discussion

Discuss any limits, assumptions or other special circumstances associated with the class.

**Class:** Class1T

**Method:** Constructor

Narrative:

*Type algorithm here*

**Method:** MethodName

Narrative:

Input:

Output:

*Type algorithm here*

**Method:** MethodName

Narrative:

Input:

Output:

*Type algorithm here*