Assignment 5: Architecture Design

It's now time for you to create a high level design of the system. You are the software architect / technical lead.

Checklist:
The following list defines the minimum requirements for the analysis models. All diagrams must be drawn with a CASE tool (e.g. MS Visio, Rational Rose, ArgoUML) except where explicitly noted otherwise.

Deliverable	Minimum
Architecture 1. Select an architecture and explain why this architecture is chosen 2. Draw the architecture using the component / connector notation	1 diagram & explanation
Module Design 1. Describe three components in your design. As needed each component should be broken down into subcomponents. 2. Each component must include the purpose, provided interface, required interface.	Design of 3 components in the high level architecture

Evaluation Criteria

Criteria	Evaluation
Architecture	• Is the architectural style recognizable? • Are connectors properly chosen? • Does the rationale for the architectural style include explanation on how the style meets the requirements or the problem domain?
Module Design	• The purpose of the module: State the generic purpose of the module. Specify which part of the requirements document it addresses, if this is appropriate. (Appropriate items to address here include such topics as: What secret does this module hide? Does the module represent a specific data type or data format?)

	• The provided interface: Define the provided interface by listing all its methods with descriptive names. The definition includes the names of the methods, their parameters, and their return types. Provide a short commentary describing each of the methods (i.e. what it does). • The required interface: Define the required interface by listing all its modules/methods. Note that every one of the modules/methods listed should be described elsewhere in this document, either as part of the design which you are creating or else as an externally provided service.

Points: 50

CSS507: Sample Assignment 5