Object-Oriented Analysis
CSC305 – Fall 2004
Due Date: Wednesday, October 20th, in Lab

_____ Instructor/TA Signature

The object-oriented analysis document is composed of two major sections:

- Use Case Analysis

- Conceptual Class Model

Use Case Analysis: Each scenario in your requirements document needs to be covered by the use case analysis. First you need to convert each scenario in your requirements document into a use case text (or make it part of an existing use case text). If your requirements document does not contain any scenarios you will need to derive use case texts from the requirements document directly. A use case text is a numbered sequence of interactions between actors and the product/system. Once you have derived the use case texts you will need to build a use case diagram for each use case text. Use the standard UML notation for use case diagrams explained in class. Your OOA document should include both the use case texts and the corresponding use case diagrams.

Conceptual Class Model: The aim of this section is to create the conceptual UML class diagram that covers all the use cases. Use the techniques and heuristics for the identification of classes, attributes and associations presented in class. This section should be broken into three parts:

1. A list of candidate classes and their attributes (if any).

2. A set of diagrams representing the associations between individual classes.

3. The conceptual class diagram for your application.

Please use standard UML notation for parts 2 and 3.

Consistency: It is important that your requirements document and your specification document agree on all the details. If you find that you need to change your requirements document in order to build an appropriate class model, please make the needed changes in the requirements document and hand it back in together with the OOA document. We will be checking for consistency and it is part of the grade.

Grading: You will be graded both on the content, readability, and consistency of your document. You will need to have your document signed off before you can hand it in.

Grading Sheet – OOA
___30% Use case texts and diagrams clear and complete
___30% Consistent with requirements document
___20% Has all the required parts
___20% Quality/organization of writing and readability