

**CSE 3105/ CSE 3137**

**OBJECT ORIENTED ANALYSIS AND DESIGN**

**FALL 2020**

**COURSE PROJECT: *<Project Title>***

***Object Design Document***

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# Introduction

## Object design trade-offs

It describes the general trade-offs made by developers (e.g., buy vs. build, memory space vs. response time).

## Interface documentation guidelines

Interface documentation guidelines and coding conventions are the single most important  
factor that can improve communication between developers during object design. These include  
a list of rules that developers should use when designing and naming interfaces. These are  
examples of such conventions:

* Classes are named with singular nouns.
* Methods are named with verb phrases, fields, and parameters with noun phrases.
* Error status is returned via an exception, not a return value.
* Collections and containers have an iterator() method returning an Iterator.
* Iterators returned by iterator() methods are robust to element removals.

# Packages

The second section of the ODD, Packages, describes the decomposition of subsystems  
into packages and the file organization of the code. This includes an overview of each package,  
its dependencies with other packages, and its expected usage.

# Class Interfaces

The third section, Class interfaces, describes the classes and their public interfaces. This  
includes an overview of each class, its dependencies with other classes and packages, its public  
attributes, operations, and the exceptions they can raise.

# Glossary

Describe the definitions, acronyms, and abbreviations you used in your report.

# References

If you refer to other sources, list them here.