**CONCORDIA UNIVERSITY**

Department of Computer Science and Software Engineering

Advanced Programming Practices

SOEN 6441 – Winter 2019

**Team 27**

**Team Members:**

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Coding Standards

# Introduction

# Coding conventions/standards are a set of guidelines or rules belongs to a particular programming language that define the style and methods for writing a code. This include file organization, Indentation, Comments, Declarations, Naming Conventions.

# Why is it needed?

Coding Conventions play a very important role in development. Software Engineers are highly recommended to follow these rules or guidelines to improve the readability of the code written by the programmer and to make the software maintenance process easy.

# Coding standards and conventions adopted by the team

## **Code Layout**

* In order to keep the layout of code simple we have appended the open curly brace to the statement that precedes it.
* Blank lines have been added between long sections of a functions, between class declarations to make the code more readable and understandable.

## **Naming Conventions**

* All package names are lowercase.
* All classes names starts with UpperCamelCase
* All methods names starts with lowerCamelCase
* Constants are named Uppercased with an underscore as separator.
* All the local variables and parameters used in the code are named with lowerCamelCase and as per their scope.

## **Indentation**

To maintain a proper structure of source code, line wrapping, and horizontal whitespaces are done with the help of eclipse IDE and format provided by the IDE. All other users will get a better understanding of the structure of the source code written.

## **Commenting**

We have follow the conventions provided by javadoc for this project.

* in-code comments are written using “**//**” and comment blocks using “**/\***”.
* A brief description is stated at the beginning of every class or method.
* @param - is used to define the parameters used in the class or method.
* @return - is used to return the value from a method.