Naming Convention Guideline
(Date: 03/10/2017)

➢ Do use **PascalCasing** for class names and method names.

```
1.   public class ClientActivity
2.   {
3.       public void ClearStatistics()
4.       {
5.           //...
6.       }
7.       public void CalculateStatistics()
8.       {
9.           //...
10.      }
11.  }
```

➢ Do use **camelCasing** for method arguments and local variables.

```
1.   public class UserLog
2.   {
3.       public void Add(LogEvent logEvent)
4.       {
5.           int itemCount = logEvent.Items.Count;
6.           // ...
7.       }
8.   }
```

➢ Avoid using **Abbreviations**. Exceptions: abbreviations commonly used as names, such as **Id, Xml, Ftp, Uri**

```
1.   // Correct
2.   UserGroup userGroup;
3.   Assignment employeeAssignment;
4.
5.   // Avoid
6.   UserGroup usrGrp;
7.   Assignment empAssignment;
8.
9.   // Exceptions
10.  CustomerId customerId;
11.  XmlDocument xmlDocument;
12.  FtpHelper ftpHelper;
13.  UriPart uriPart;
```

➢ Do use **PascalCasing** for abbreviations 3 characters or more (2 chars are both uppercase)

```
1.   HtmlHelper htmlHelper;
2.   FtpTransfer ftpTransfer;
3.   UIControl uiControl;
```

➢ Do not use **Underscores** in identifiers. Exception: you can prefix private static variables with an underscore.

```
1.   // Correct
2.   public DateTime clientAppointment;
3.   public TimeSpan timeLeft;
4.
5.   // Avoid
6.   public DateTime client_Appointment;
7.   public TimeSpan time_Left;
8.
9.   // Exception
10.  private DateTime _registrationDate;
```

➢ Do use **predefined type names** instead of system type names like Int16, Single, UInt64, etc

```
1.   // Correct
2.   string firstName;
3.   int lastIndex;
4.   bool isSaved;
5.
6.   // Avoid
7.   String firstName;
8.   Int32 lastIndex;
9.   Boolean isSaved;
```

➢ Do use noun or noun phrases to name a class.

```
1.   public class Employee
2.   {
3.   }
4.   public class BusinessLocation
5.   {
6.   }
7.   public class DocumentCollection
8.   {
9.   }
```

➢ Do prefix interfaces with the letter I. Interface names are noun (phrases) or adjectives.

```
1.   public interface IShape
2.   {
3.   }
4.   public interface IShapeCollection
5.   {
6.   }
7.   public interface IGroupable
8.   {
9.   }
```

➢ Do use singular names for enums. Exception: bit field enums.

```
1.    // Correct
2.    public enum Color
3.    {
4.        Red,
5.        Green,
6.        Blue,
7.        Yellow,
8.        Magenta,
9.        Cyan
10.   }
11.
12.   // Exception
13.   [Flags]
14.   public enum Dockings
15.   {
16.       None = 0,
17.       Top = 1,
18.       Right = 2,
19.       Bottom = 4,
20.       Left = 8
21.   }
```

➢ Do not suffix enum names with Enum

```
1.   // Don't
2.   public enum CoinEnum
3.   {
4.       Penny,
5.       Nickel,
6.       Dime,
7.       Quarter,
8.       Dollar
9.   }
10.
11.  // Correct
12.  public enum Coin
13.  {
14.      Penny,
15.      Nickel,
16.      Dime,
17.      Quarter,
18.      Dollar
19.  }
```