**C# Coding Standard**

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| No | Contents | Standards |
| 1 | Layer Architecture | 7 Layers  Example 1)  Views, DTO, BLL, DAL, Entity, IOC, Utilities |
| 2 | Css or Js files | Will add under Resources folder  Example 1)  Resources >css or Resources > js |
| 3 | Folder Naming | Use Plural PascalCase  Example 1)  Views |
| 4 | Sub Folder Naming | Use Pascal Case (not plural)  Example 1)  Views > Post > ( PostCreate, PostList, etc…) |
| 5 | Private field variables | User underscore lower camel case  Example 1)  private string \_name |
| 6 | Public field | User pascal case  public string Name  {    } |
| 7 | Local variables | User camel case  Example 1)  totalAmount =0; |
| 8 | Global variables | Global Variable declaration can be all uppercase letters.Global variable class file is created under Properties file name as Consts.cs in window application.  Example 1)  NAME |
| 9 | Class Declaration | Use Upper Camel Case  Example 1)  public class GetData() |
| 10 | Function Name | Must start with verb and be meaningful start with capital letter  Example 1)  GetInformation() |
| 11 | Parameter | User lower camel case  Example 1)  public class Name(int id) |
| 12 | Method or constructor naming | User lower camel case  Example 1)  User user = new User(); |
| 13 | Control Name | If control is label, start with lbl  Example 1)  lblName  If control is button, start with btn  Example 1)  btnSave |
| 14 | Region | Keep private member variables, properties and methods in the top of the file and public members in the bottom.  Example 1)  #region Variables  private int \_id;  private string \_name;  #endregion |
| 12 | Field variables comment | #region Variables  /// <summary>  /// User Variables  /// </summary>  private int \_id;  private string \_name;  #endregion |
| 13 | Constructor or Destructor comment | /// <summary>  ///Constructor and Destructor for User Variables  /// </summary> |
| 14 | Header comment | /<copyright file ="$File Name$" company ="Seattle Consulting Myanmar">  //Copyright(c) $Current Year$ All Rights Reserved  //</copyright>  //<author> $User Name$ </author>  //<date>$Current Date$</date>  \*/ |
| 15 | Class comment | /// <summary>  /// Defines the <see cref="AuthService" />.  /// </summary>  public class AuthService  {  } |
| 16 | Function comment | /// <summary>  /// The LoginInformation.  /// </summary>  private void LoginInformation()  {  } |
| 17 | Control comment | /// <summary>  /// The txtlogin\_KeyDown.  /// </summary>  /// <param name="sender">The sender<see cref="object"/>.</param>  /// <param name="e">The e<see cref="KeyEventArgs"/>.</param>  private void txtlogin\_KeyDown(object sender, KeyEventArgs e)  {  } |
| 18 | Image Naming | Image name all lower case and use underscore  Example 1)  admin\_icon.png |
| 19 | Names of classes, methods, enumerations, public fields, public properties, namespaces | Pascal case  Example 1)  MyFile.cs |
| 20 | Comments should be in the same level as the code (use the same level of indentation). | //Format a message and display  Do something |
| 21 | Named constants | All upper case and use underscore to separate words  Example 1)  MSG\_SAVE\_SUCCESS |
| 22 | Use String.Empty instead of “” | Example 1)  string name = String.Empty NOT string name =””; |