# A-Z Learn Team Code Style Guidelines

## Comments

/// <summary>

/// Docstring before functions, methods, classes, etc.

/// </summary>

/// <param name="args"></param>

/// <returns></returns>

/\*Single line comment\*/

/\*

\* Multi - Line

\* Line 1

\* Line 2

\* Newline

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## Naming Rules

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\* React / Vanilla js:

\* Functions, Components, Reducers, Actions : PascalCase (i.e., The file has to match the function name)

\* Function to be arrow functions style

\* Variables, states => camelCase

\* Functions and methods => PascalCase

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\* C#

\* Variables => camelCase

\* Functions and methods => PascalCase

\* Classes OOP:

\* Class Name => PascalCase

\* Class Property => PascalCase (e.g., ProductId)

\* Class Methods => PascalCase

\* Class Backing Variable => \_camelCase (i.e., matching the property name)

\* LINQ:

\* Delegate function variable name to be key and subKey instead of x, y, z, etc.

\* e.g., Context.Product.Select(key => new{ ID = key.Id, MaxLength = key.Max(subKey => subKey.Name.Length)}).ToList();

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\* MVC

\* Models, Controllers, Views => PascalCase

\* Controller => ModelNameController

\* EF Context => DBContext

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\* API

\* Variables => camelCase

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\* HTML and CSS:

\* id, name, and classes naming => BEM (Or follow whichever framework we will use for CSS)

\* Prefix with the form name (student form : student-fname, student-error-msg, instructor form: instructor-fname, instructor-error-msg)

\* Maintain HTML5 standards from the start of project. To be specific use semantic tags

\* If the class is used once only, use id

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\* MySqL:

\* Variable Names => all small PascalCase naming style

\* SQL => All CAPITAL for query commands

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Stack

.NetCore + WebAPI + MySql + React + CSS + Vanilla JS

.Net Core = C#, Entity Framework, ASP.NET MVC, etc.

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