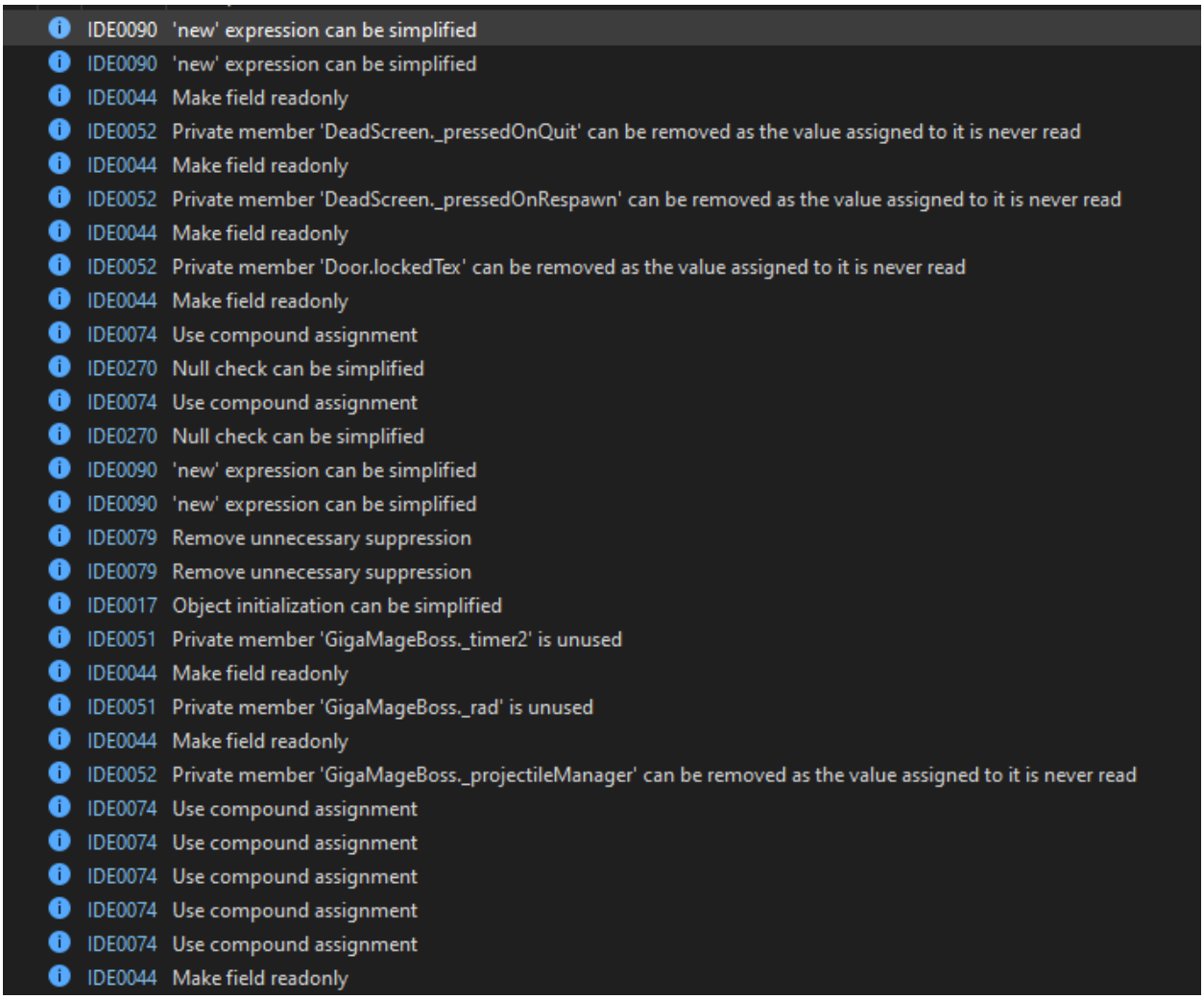
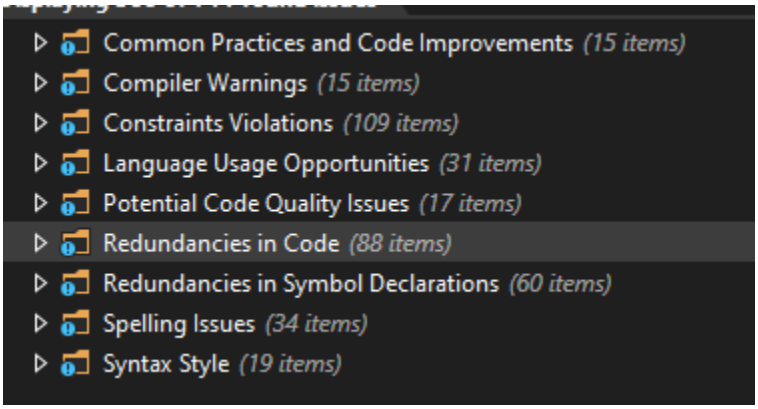
Once again, our group used the .NET built in code analyzer in combination with ReSharper to improve the code quality. Here is what the .NET analyzer gave:

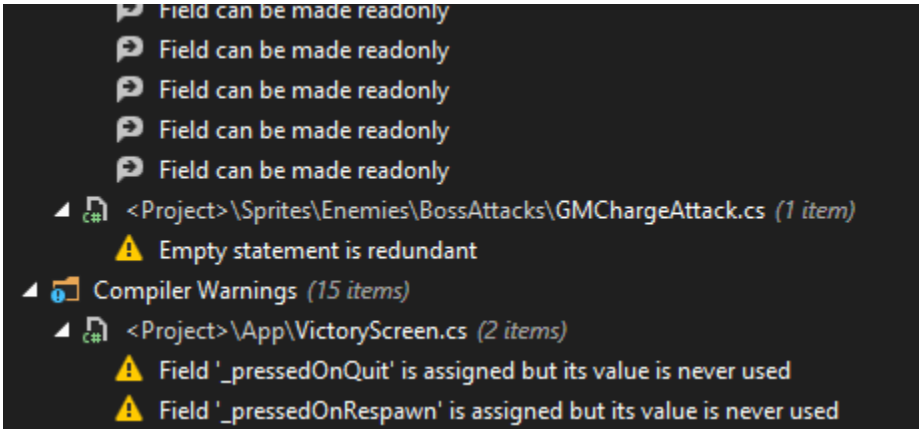


The team did not resolve any of the conflicts that required the ‘new’ expression to be simplified because the change would lead to ambiguity in the code. Similarly, the removal of unnecessary suppression was not changed as that is used to suppress an error from ReSharper. Also, the using statements were not simplified similarly to before, as that would have caused ambiguity in the code, and the team decided to leave explicit statements to better increase readability. All other issues were resolved.

From ReSharper, here are some of the types of problems that were resolved.



Here are some specific examples of warnings that it rose.



The team resolved all of the issues that ReSharper listed unless they would like to ambiguity in the code.

Additionally, this time I was able to find where the code metrics were located. Here are the results.

Hierarchy	Maintainability Index	Cyclomatic Complexity	Depth of Inheritance	Class Coupling
Project (Debug)	82	1,523	3	180
ItemDropTable	63	5	1	4
Program	79	2	1	1
Project.Sprites.Enemies	72	389	3	63
Project.App	77	308	2	82
Project.Sprites	87	217	2	77
Project.Sprites.Items	81	139	3	56
Project.Sprites.Players	83	122	2	42
Project.Controllers	82	79	2	36
Project.Sprites.Environment	88	74	3	41
Project.Sprites.Enemies.BossAttacks	80	62	1	32
Project.Commands	85	71	1	23
Project.Sprites.Projectiles	95	48	1	28
Project.Interfaces	98	7	2	7