# CTEC 2902 Code Review Form

The following exercise accounts for 10% of the marks for the second half of CTEC2902. The deadline is the same as the final project deadline – 23:59:59 on the 3rd May.

## 1: Clean Code

Take one piece of code that you think is a *good example of clean code* from any of the code bases of the team projects in the CTEC 2902 organisation GitHub (note, you may need to switch from the main branches to development branches to find the code). This does NOT include the code for the labs.

The code should be as clean as possible, but also be code that does something complicated / significant. (It’s really easy to keep simple code that’s not doing very much clean). You can pick one or more methods, or a whole class, or even a couple of classes that interact with each other.

It can be your own code, or someone else’s. Keep the creator anonymous, though – it doesn’t matter who wrote it, just that you think it’s clean, and can explain why.

Paste the code into the box below (don’t worry if it scrolls onto the next page or three):

|  |
| --- |
| // GET: Genres/Details/5  public ActionResult Details(int? id)  {  if (id == null)  {  return new HttpStatusCodeResult(HttpStatusCode.BadRequest);  }  Genre genre = db.Genre.Find(id);  if (genre == null)  {  return HttpNotFound();  }  var ArticlesByGenre = (from article in db.Genre  join Article in db.Article  on article.GenreID equals Article.GenreID  where (Article.GenreID == article.GenreID)  select article);  List<Genre> ArticleList = ArticlesByGenre.ToList();  ViewBag.ArticleList = ArticleList;  return View(genre);  } |

Now explain in no more than one side of A4 (at the very most) why you think it’s a good piece of clean code. (You may need to refer to the *List of Code Smells* at the end of this document for more ideas about clean versus smelly code).

**Why I think this code is good**

I think that these lines of code are good because they are clear, it shows they process that the system goes through to perform this certain function in an easy to read way. What this line of code does is it list all of the articles on the website by genre, organizing them in a easy to read way for the user, grouping articles together based on this. The code is easy to understand for other programmers that would be working on the system.

What these lines of code do is fairly complicated but it does this procedure in a relatively small amount of lines of code and that’s why I think it’s is good, its condensed, easy to read and performs a vital function for the system.