WEB PROGRAMMING ASP.NET MVC CORE

SCAFFOLDING

You can sit down and think about the problem you want to solve, and write plain C# classes, such as `Album`, `ShoppingCart`, and `User`, to represent the primary objects involved. When you are ready, you can then use tools provided by MVC to construct the controllers and views for the standard index, create, edit, and delete scenarios for each of the model objects. The construction work is called *scaffolding*.

BOOKS PROJECT

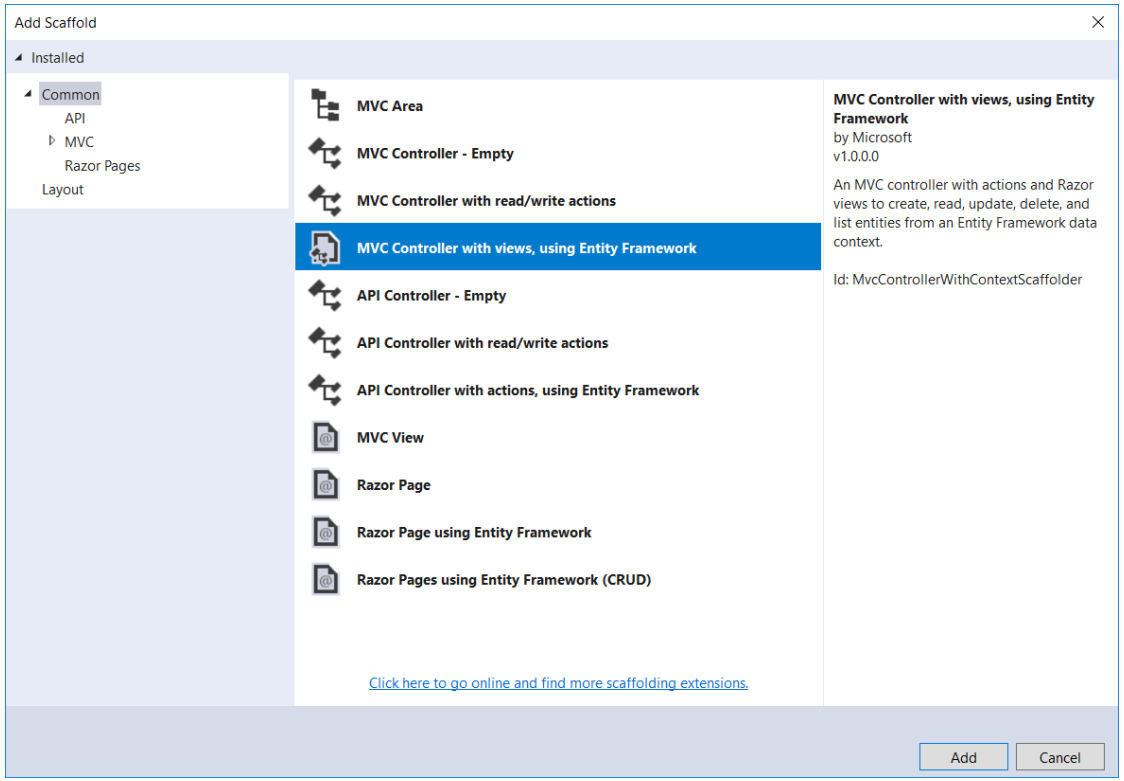
AUTHOR CLASS

```
namespace Books.Models {
    public class Author {
        public int AuthorId { get; set; }

        [Required]
        [StringLength(256)]
        public string Name { get; set; }
        public ICollection<Book> Books { get; set; }
    }
}
```

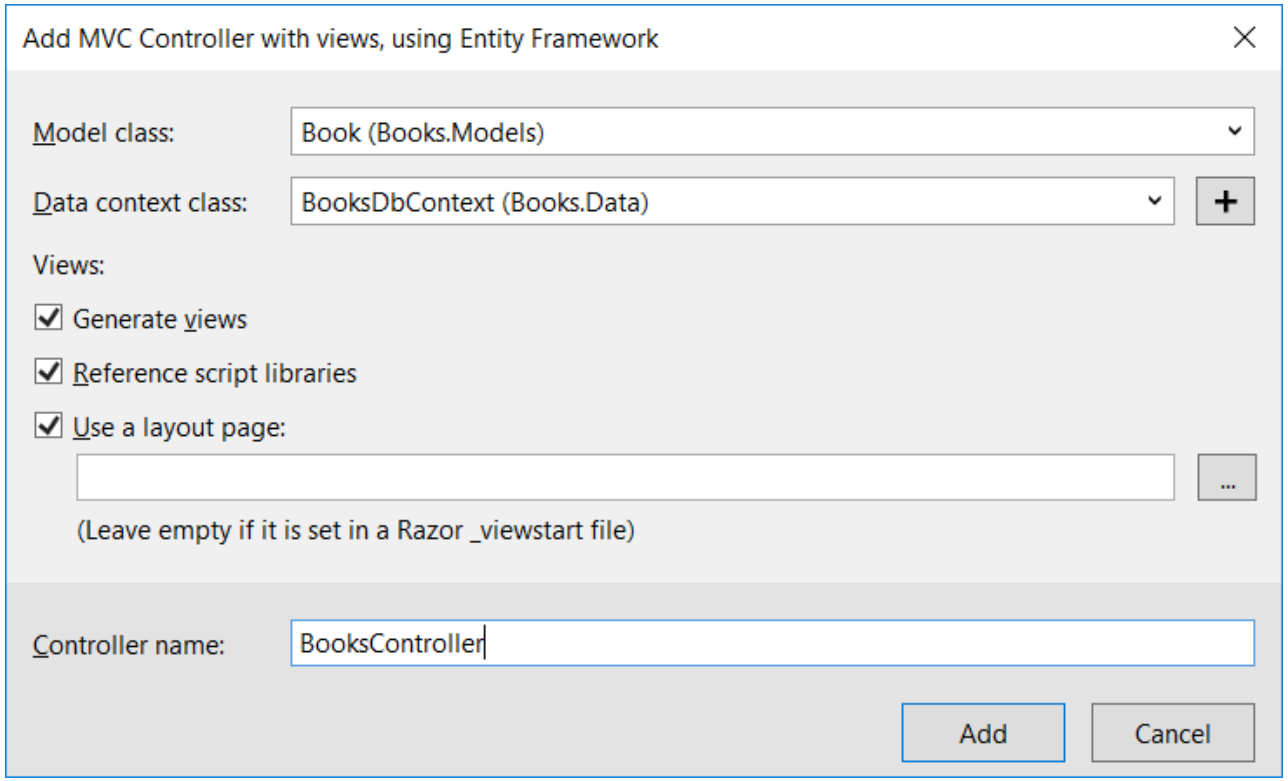
BOOK CLASS

```
public class Book {
    public int BookId { get; set; }

    [Required]
    [StringLength(512)]
    public string Title { get; set; }

    public string Description { get; set; }

    public int AuthorId { get; set; }
    public Author Author { get; set; }
}
```

SCAFFOLDING



SCAFFOLDING



ROUTING

```
public void Configure(IApplicationBuilder app, IHostingEnvironment env) {
    // ...

    app.UseMvc(routes => {
        routes.MapRoute(
            name: "default",
            template: "{controller=Product}/{action=List}/{id?}");
        });

    // ...
}
```