# To make this code production ready a lot needs to be changed.

# Basic changes made include:

* Created new version of the app -too many basic changed are needed
* Layering was completely missing, changed to use basic layering, Enforced separation of concerns
* Separate data access from upper layers, layering of data, logic and presentation layer
* Remove connection string and string literals from within code to a config file
* Remove any SQL code from C# and move into stored proceedures
* (If any SQL had to be in C# then use sql command parameters)
* Change to use EF Core instead of ADO directly. ADO is very efficient but error prone and loads of code must be hand written, including building the repository and unit of work patterns manually
* Updated apps and Sql Database projects to latest framework and version (NET 5, Sql Server 2019) to stay up to date since they do not use any older version specific features
* Less loosely typed and messy Javascript, opting for Bootstrap instead
* Move controller actions into more meaningful controllers such as OrdersController instead of using HomeController
* Scaffold the application objects from the database, one file per object type

# Given more time I would continue and make the following changes:

* Add authentication /authorization
* Add unit tests
* Add validation/preconditions at each level
* Add very small example of how to do it with ADO directly (But purely as an example, not used in code)
* Add logging using Dependency Injection into each controller
* Add exception shielding
* Make DB method calls Factory or Singleton patterns
* Make better looking Bootstrap table(s) in UI
* Use linq to create model objects
* Add better usage of FKs, and unique keys
* Add paging to web page results if needed, at the database level (via the presentation layer on down the layers)
* Usage of async/await if this became more complex