Assignment 1 Sales Board

# Development:

## Setting up Application and modelling Database

1. Set up git repository and started MVC application.
2. I then chose to start with modelling the database by creating classes for Items, Sales and Saleitems.
   1. I created the Items class before getting side-tracked by trying to include multiple items under 1 user.
3. Therefore, I begun to modify the ApplicationContext.cs to support custom user data.
   1. Made 1 custom field with no entry yet – To Do.
4. Having successfully made a migration with new users I added the Items class and migrated.
   1. After I fixed Items model to reference Zephyr\_ApplicationUser I then migrated.
   2. This allowed me to add an item that is linked to a user by their ID.
5. Now I have my Identity and other DBSets in the one context, I then started to add some custom fields to the Identity.
   1. I added the following custom fields to the identity user: first name, last name, age, state, city, postcode, street, images. See [Figure 1.1](#_Appendix) For an image of the identity fields.
6. Next is to do the Items table.
   1. The items table includes the following fields: Id, SellerId (foreign key to Identity), Item, Itemdesc, Category, Price, Quantity, Itemimage, Postdate. See [Figure 1.2](#_Appendix) for image of Items class.
7. Then Sales table.
   1. Sales has the following: Id, ItemId, BuyerId, Quantity. See [Figure 1.3](#_Appendix) for image of Sales class.
8. Finally, Saleitems. This table is like Orderitems, it will handle item purchases with cart.
   1. Saleitems has the following: Id, CartId, Item, Quantity. See [Figure 1.4](#Figure1_4) for image of class.
9. Time for migrations. I migrated the content in the following order
   1. Identity
   2. Items
   3. Sales
   4. Saleitems

To Do:

Add custom data like items to user through this: <https://docs.microsoft.com/en-us/aspnet/core/security/authentication/add-user-data?view=aspnetcore-3.1&tabs=visual-studio>

# Appendix

Figure 1.

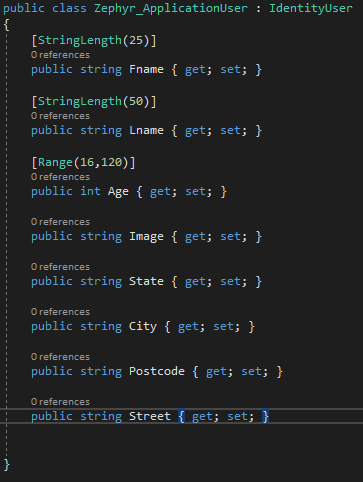


Figure 2.

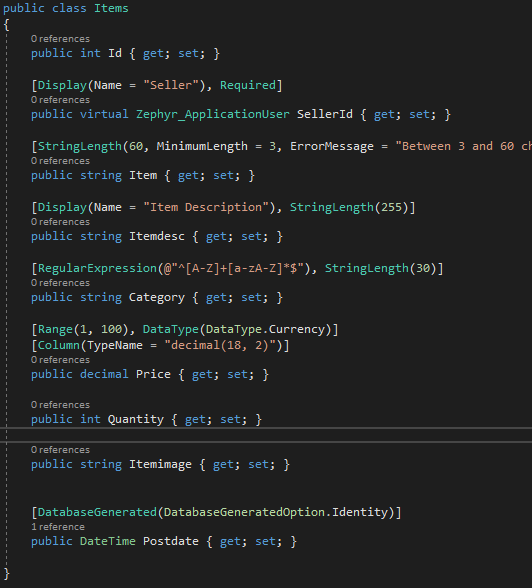


Figure 1.3

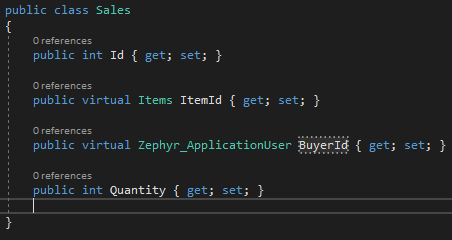


Figure 1.4

