Module 1’s project asked for me to create an Online Shopping Marketplace app that has the ability to allow both users and administrators log in while each having their own set of roles that they can accomplish within the app. The users were allowed to log in using the credentials: Username – NewUser, Password – Shopping, Role – ‘user’. The administrators were allowed to log in using the credentials: Username – NewAdmin, Password – Manager, Role – ‘admin’. After the user is successfully logged in, they can view the current product catalog, add items from the catalog into their cart, remove items from their cart, view their current cart and also checkout. The admins are allowed to add new products into the catalog, modify existing products in the catalog and also remove items from the catalog. The checkout feature is integrated within the user menu to provide the users with ease of accessibility within the app itself.

I thought the best way to approach this project is to define classes for User, Admin, Product, and the marketplace itself which I called OnlineMarketPlace. I also created a lot of methods that are integrated within each other so that they can interact with one another when being called upon in the program.