Obstacles:

* I included my header files as well as .cpp files in all the files, which caused an error.
* I had forgotten to include the constructor with no parameters for AppleStore which caused errors.

Test Data:

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| **DATA** | **WHAT IS BEING TESTED** | **REASON** |
| cs31::AppleProduct p; | Constructor for AppleProduct with no parameters | Tests if the constructor for AppleProduct with no parameters returns the appropriate data |
| cs31::AppleProduct p1( cs31::AppleProduct::Kind::IPHONE, "8", "Space Grey", 699.00 ); | Constructor for AppleProduct with parameters | Tests whether the constructor for AppleProduct with parameters returns the right data for the functions getCost(), getVersion(), getColor() and getKind(). |
| cs31::AppleStore store;  cs31::AppleProduct iphone8\_64 = store.buyiPhone8(“Space Grey”, 64); | AppleStore::buyiPhone8 | Tests if the data given is returned accurately for getCost(), getKind(), getVersion() and getColor() when the number of gigabytes is valid |
| cs31::AppleProduct iphone8\_128 = store.buyiPhone8(“Space Grey”, 128) | AppleStore::buyiPhone8 | Tests if the data given causes the function to throw an error when the number of gigabytes is invalid |
| cs31::AppleProduct iphone8Plus\_64 = store.buyiPhone8Plus( "Silver", 64 ); | AppleStore::buyiPhone8Plus | Tests if the data given is returned accurately for getCost(), getKind(), getVersion() and getColor() when the number of gigabytes is valid |
| cs31::AppleProduct iphone8Plus\_128 = store.buyiPhone8Plus( "Silver", 128 ); | AppleStore::buyiPhone8Plus | Tests if the data given causes the function to throw an error when the number of gigabytes is invalid |
| cs31::AppleProduct iphoneX\_64 = store.buyiPhoneX( "Rose Gold", 64 ); | AppleStore::buyiPhoneX | Tests if the data given is returned accurately for getCost(), getKind(), getVersion() and getColor() when the number of gigabytes is valid |
| cs31::AppleProduct iphoneX\_32 = store.buyiPhoneX( "Rose Gold", 32 ); | AppleStore::buyiPhoneX | Tests if the data given causes the function to throw an error when the number of gigabytes is invalid |
| cs31::AppleProduct ipad\_32 = store.buyiPad("Black", 32); | AppleStore::buyiPad | Tests if the data given is returned accurately for getCost(), getKind(), getVersion() and getColor() when the number of gigabytes is valid |
| cs31::AppleProduct ipad\_64 = store.buyiPad("Black", 64); | AppleStore::buyiPad | Tests if the data given causes the function to throw an error when the number of gigabytes is invalid |
| cs31::AppleProduct ipadpro\_256 = store.buyiPadPro("White", 256); | AppleStore::buyiPadPro | Tests if the data given is returned accurately for getCost(), getKind(), getVersion() and getColor() when the number of gigabytes is valid |
| cs31::AppleProduct ipadpro\_32 = store.buyiPadPro("White", 32); | AppleStore::buyiPadPro | Tests if the data given causes the function to throw an error when the number of gigabytes is invalid |
| cs31::AppleProduct watch\_1 = store.buyWatch1("Jet Black"); | AppleStore::buyWatch1 | Tests if the data given is returned accurately for getCost(), getKind(), getVersion() and getColor() when the number of gigabytes is valid |
| cs31::AppleProduct watch\_3 = store.buyWatch3("Blue"); | AppleStore::buyWatch3 | Tests if the data given is returned accurately for getCost(), getKind(), getVersion() and getColor() when the number of gigabytes is valid |