Emily West

SOLID Learning Target Assessment

The code that was given to us has a few problems in relation to SOLID principles. It has no interfaces, which is a problem for the "I" in solid, Interface Segregation Principle. Creating interfaces for both the networks and devices would also help us with the single responsibility principle, since we can split up sone of the responsibilities of the devices and networks. Interfaces would also help with the Dependency Inversion Principle since it would not be necessary to new up an object and would decouple the modules. We can also format the code into interfaces and more classes to help with the Open-Closed Principle in the future. Once we add this, if there are going to be changes to the devices or networks, or additions to them, then we can just add another file that inherits from the interfaces, instead of opening and changing what we already have.