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Design Practices Document
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This document is to record all design practices used in the CPT_S 321 FinalExam.

One principle used is the single responsibility principle. Each type of user interaction is represented by separate classes. Examples, main menu, product search, and product restock, etc.

The other design principle used is Low Coupling. This design principle is used to separate UI functionality from business functionality and business object models. The UI is represented by three classes, mainmenu, productsearch, and productrestock. The business features are implemented in productList which encapsulates productSearch and productDataAccess. If we want to change functionality, such as search, we won't have to change anything other than productList class. Changes are easy to made for each method.

Each module is highly cohesive and only has functionality that is logically one unit. For example main menu is represent in main menu class, and the product search menu is in the productSearch class. This is an example of High Cohesion. If we want to add functionality to main menu, then only the main meny class will change.

The pairing of Low Coupling and High Cohesion itself is a practice of good code design.

Controller, productSearch and productRestock act as controllers in our system.