**Introduction:**

This is a program similar to Digikala or Amazon for designing an online shop.

**Design and Implementation:**

According to the diagram uploaded along with this report, object-oriented programming has been used to design a number of classes, which is to create three types of user accounts, admin, user, and seller, and then each according to their duties a path should be designed for them. An attempt has been made to define authentication in a separate class to increase the security of the program.

**Testing and Evaluation:**

Tested and debugged in several stages with different inputs. In the list of commits, you can see a number of bugs that have been fixed.

**Conclusion:**

In the end, it should be said that object-oriented programming has been used to design an online shop, which is evident in encapsulation, inheritance, and similar cases in different classes.