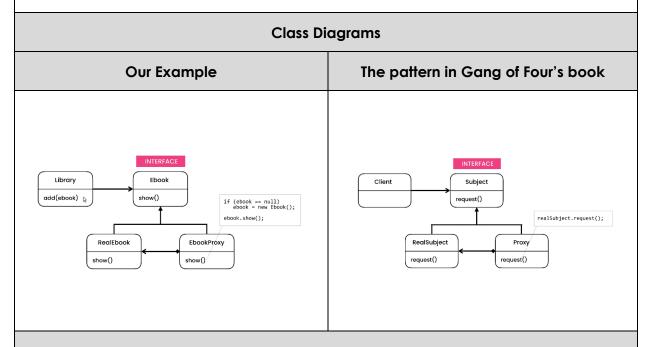
Proxy Design Pattern

This pattern allows us to create a poxy or an agent for a real object.



Explanation

In this example, we want to load ebooks only when we need to show them. The EBook is an interface. The ProxyEBook class acts like an agent, in this class, we create RealEBook objects on-demand. In this class, we have a private field of type RealEBook, but we are not initial that field ahead of time. In the RealEBook class, we are going to get the file name from the instructor and read the ebook from the disk and load it to the memory. The Library class is responsible for adding an ebook to our library or showing a book.