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Bonus part A2: Prepare a half-page write-up, explaining how you are incorporating command pattern into this assignment.

I incorporated the command pattern into this assignment by encapsulating social media post user actions as separate command objects. The actions included publishing, liking, and sharing posts. This approach separates the objects that invoke operations from the objects that actually perform them.

To implement this, I defined a Command interface with a single execute() method. I created the classes PublishPostCommand, LikePostCommand, and SharePostCommand to implement this interface. Each of these classes stores a reference to a SocialPost and calls the corresponding method of publish(), like(), or share() when executed.

In my main method, I replaced direct calls to post.publish() and post.like() with command objects. More specifically, instead of calling post.publish() and post.like() directly, I created PostPublishCommand and LikePostCommand objects and called their execute() methods. This aligned with my central understanding of the command pattern of actions encapsulated as objects that can be stored and executed at a later time.

The implementation of the command pattern in this assignment allows for an extension of the system by adding new commands without modifying existing code and enables implementing functionality easily if needed.