Architecture Style Assignment

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Lecture Group : 1

Identify any three software frameworks from the web and identify the architecture style on it.

1. Flutter

Architecture style: Layered style
Flutter is a mobile application SDK that generates high performance, high fidelity applications for both iOS and Android from a single piece of code. flutter is written in the Dart language and takes advantage of the language's many advanced features. It also allows applications to interface directly with the underlying platform services. It exists as a series of separate libraries, each dependent on the underlying layer. No layer has privileged access to the layers below, and each part of the layer is designed to be optional and replaceable.

2. Phalcon

Architecture style: Layered style
Phalcon is a high-performance PHP application framework that implements the MVC architecture. The initial version was released in November 2012 and is open source and licensed under the BSD terms. Unlike most other PHP frameworks, Phalcon is written in C as an extension, so Phalcon executes faster than other PHP frameworks and consumes fewer resources, making it the fastest PHP framework in the world according to official tests.

3. Spring Boot

Architecture style: Layered style
Spring Boot is a module of the Spring Framework. It is used to create standalone, production-grade Spring-based applications with minimal effort. It is developed on top of the core Spring Framework.

Spring Boot follows a layered architecture in which each layer communicates with the layer directly below or above (hierarchical structure) it.

There are four layers in Spring Boot are as follows:

- o **Presentation Layer**
- o **Business Layer**
- o **Persistence Layer**
- o **Database Layer**