**Question**

Write a short article on which flutter codebase architecture would be most suitable for a feature rich, high performance, enterprise grade app, highlighting the following core values:

1. Simplicity
2. Testability
3. Power

**Answer**

There are many architectures to choose from, but deciding which one to use can be daunting, as no architecture can ever fulfill all needs. So based on experience on several projects I have worked on, flutter and non-flutter project, I believe the MVC or MVVM architecture is the best fit. MVC is rather simple and elegant, which makes it easy to understand due to it clear description of data flow and proper segregation of business logic from the ui.

MVC (Model View Controller/ViewModel) makes it easy to separate the ***presentation layer (view)*** from ***the business logic (controller/ViewModel)***, the mediator between View and Model, which accept all user events and requests, send them to the Model layer for data. Once the Model has data it then returns to ViewModel and then ViewModel updates the View with the new data.

**The model** represents a single source of truth that carries the real-time fetch data or database-related queries.

The MVC pattern helps in the following ways

* Easy test and debug of each application layer as the presentation layer and the logic are loosely coupled.
* Perfect for the single source of truth practice.
* Many developers can seamlessly work within a single code base, specializing on different layer of the architecture.
* Gives assurance which enables extensibility over the period of time.