Architecture Style Assignment

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

1. Framework 1:
   1. Name: Laravel
   2. Link: https://laravel.com/
   3. Style: MVC Architecture
   4. Justification:

The Laravel Framework follows MVC architecture. MVC is an architectural design pattern that helps to develop web applications faster. MVC stands for Model-View-Controller.

Model (M) – A model handles data used by the web application.

View (V) – A view helps to display data to the user.

Controller (C) – A controller interacts with the model to create data for the view.

1. Framework 2:
   1. Name: Java Enterprise Edition
   2. Link: https://www.oracle.com/java/technologies/java-ee-glance.html
   3. Style; Layered Architecture
   4. Justification:

Java EE is the patterns where the code is arranged in layers. The outermost layer is where the data enters the system. The data passes through the subsequent layers to reach the innermost layer, which is the database layer. Simple implementations of this pattern have at least 3 layers, namely, a presentation layer, an application layer, and a data layer. Users access the presentation layer using a GUI, whereas the application layer runs the business logic. The data layer has a database for the storage and retrieval of data.

1. Framework 3:
   1. Name: IBM MQ
   2. Link: https://www.ibm.com/products/mq
   3. Style: Broker Architecture
   4. Justification:

IBM MQ can transport any type of data as messages, enabling businesses to build flexible, reusable architectures such as service-oriented architecture (SOA) environments. It works with a broad range of computing platforms, applications, web services and communications protocols for security-rich message delivery. IBM MQ provides a communications layer for visibility and control of the flow of messages and data inside and outside your organization.

* Submit your answers at in your github host.
* We will pick up randomly 5 students next session to present their answers.