



San Diego Global Knowledge University.

Full Stack Development Immersive.

FSDI 117

-Assignment 1,2,3, Competency Report-

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Software Architectures

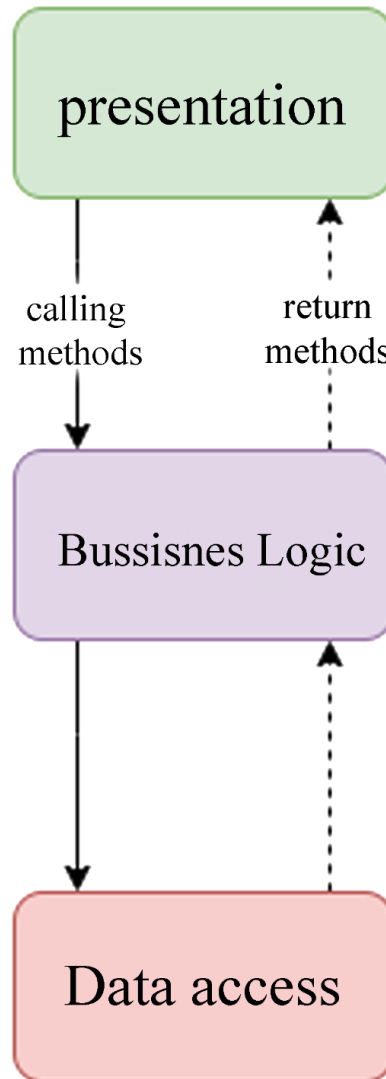
Research possible software architectures for your project and model a high-level view of the potential architecture of your project.

Layer architecture/ hierarchical interconnection model

We use this type of architecture since evaluating our web application is the one that best adapts, it is useful, simple, and very usable.

Advantage

- Separation of Responsibilities: Allows Separation of Concerns (SoC), as each layer has only one responsibility.
- Easy to develop: This architectural style is especially easy to implement, as well as being well known and used by a large majority of applications.
- Easy to test: Because the application is built in layers, it is possible to test each layer individually, which allows each layer to be tested separately.
- Easy to maintain: Because each layer does a very specific task, it is easy to detect the source of a bug to correct it, or you can simply identify where a change should be applied.
- Security: The separation of layers allows the isolation of the servers in different subnets, which makes it more difficult to carry out attac



Layered Architecture High Level Diagram

