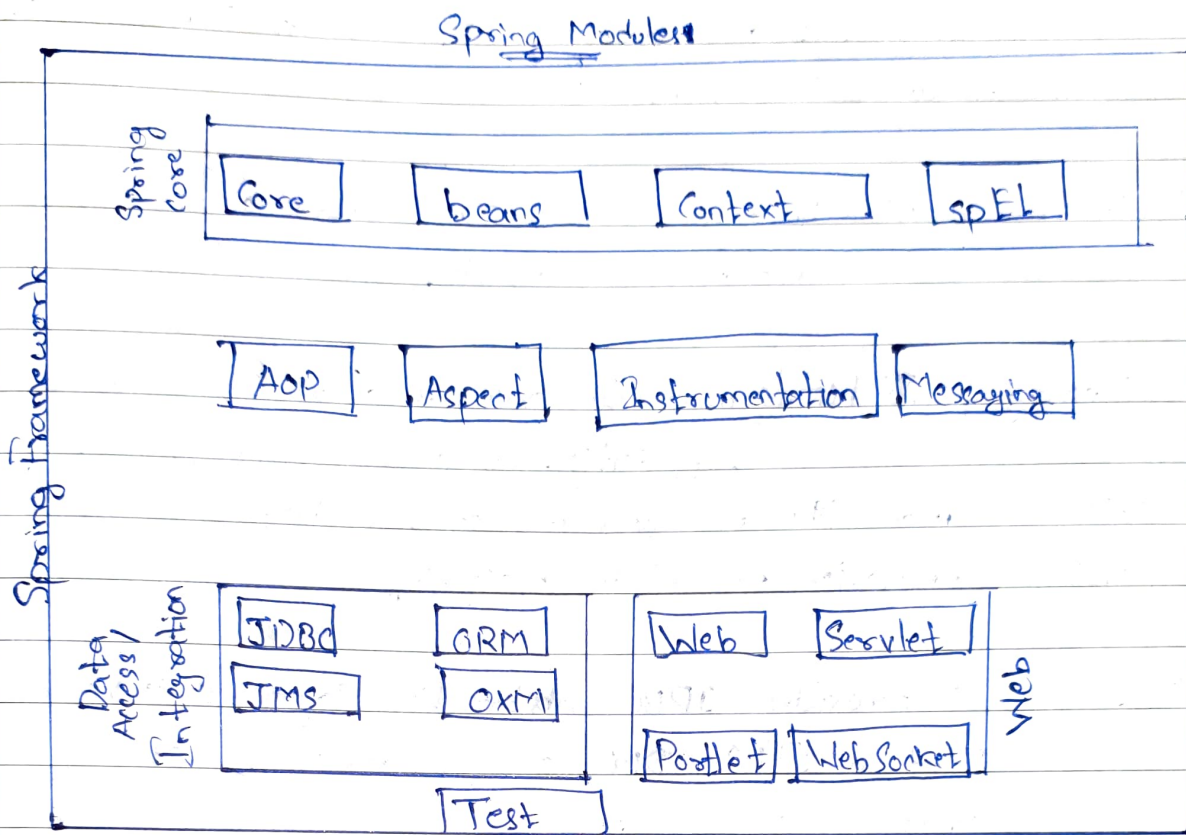


## \* Spring-Modules:



- Spring core & spring beans provide fundamental parts of the framework like IOC & ~~DI~~ Dependency injection.
- Context inherits the features from the bean module. It also adds some more features like ~~installation~~ event propagation, resource loading & transparent creation of context).
- SpEL: It's a powerful ~~expression~~ expression language that supports querying & manipulating an object graph at runtime. The language syntax is similar to Unified EL but offer additional features, most notably ~~method~~ method invocation & basic string templating functionality.

- AOP (Aspect-oriented programming): It helps in breaking down the logic of the program into several distinct parts called as concerns. The cross-cutting concerns helps in increasing the modularity & separate it from the business logic of an application.
- Instrumentation: It provides us class instrumentation <sup>support</sup> & class loader instrumentation.
- Messaging: ~~This~~ <sup>based</sup> This is used to serve as a foundation for messaging application (used for messaging app. developing). We can map the messages with the help of method by various annotation present in messaging.
- JDBC: It provides JDBC abstraction layer that removes the need of JTDS JDBC code & parsing database vendor specific error code.
- ORM: For using any ORM Tools like Hybernate, etc we have to use these module. It provides integration layer through which we can integrate another ORM tool in our project.
- Spring Oxi: It provides an abstraction layer that supports object xml mapping. ~~It makes easy to map~~ <sup>use</sup> It ~~makes~~ to ease the mapping between java objects & XML documents.  
Oxi (Object XML mapping). It is extensible & hence it provides integration with various popular frameworks like Casters, JAXB, XmlBeans, & xstream.

→ JMS: (Java messaging services) We can produce & consume the messages using JMS.

→ Web: All the modules in Web are used to build Web application.

→ Test: It provides JUnit & Test engine. (providing testing features)