

MVCController	RestController
View is the output JSP / Thymeleaf	Data is the output
Browser is the client	POSTMAN , Java program
The mapping methods are GET and POST	Mapping methods for all http methods
Used for MPA [multi page application]	Used for SPA [Single Page application]

MPA -----

Client <-----request----->Server(accept, process and generate a view and send the view in response)

SPA

Client <-----request-----> (accept ,process and return data)

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Java Client for REST ful Web service -----

POSTMAN -----REST API

JAVA CLIENT -----REST API

status code	
200	OK
404	Page not found
405	Method not found
500	Server side exception --- Internal server error

ResponseEntity = WRAPPER that has all data of Http Response

Headers

Statuscode

body

Hibernate =====

ORM = Object Relational Mapping tools /software

1. Hibernate ---- ORM tool
2. Toplink
3. OpenJPA
4. MyBatis
5. EclipseLink
6. ...
7.

WHY is ORM needed ?

ORM is needed so that the Java Programmer can be DECOUPLED from DB code !!!

Java programmer WORKS on classes and OBJECTS

ORM translates object states to table rows and vice versa

DB Administrator WORKS on Tables and SCHEMA

If the Java programmer	ORM, works as follows in the background
Creates an object	insert a row in the table
Calls setter methods to change object state	update a row in the table
Removes object	deletes row
gets a list of objects	selects from table
