## REST Grud APIS ORES T over MTTP - POST, GET, PUT, DELETE o XML and JSON Reguest line of the TTP wommand Neader variable or reguest metadata Message body of contents of message HTTP Response Message Response Line

Header variable

Message boly

MIME Centert Types ex: - text/hlml

- application / jion - application / x ml

Java JSON Data binding	
Convert from JSON to Savu POJO.	
JSON - Soma POSO	
Synonyme: serializer, deserializer	
Sackson Project:  - support data binding  - used by Spring  - by default, call appropriate getter/setter	
· SON -> POJO: use setter method. · POJO -> JSON: getter method	
Reguest Mapping ("/api") > prefix  public class MyRest Controlls & y	
Rest with path variable  Stath Variable  BGd Mapping ("/students / & student Id 3")  public Student get Student ( & Path Variable int student Id)  need to match	)

Exception Mandling o ereate Java POJO for error handling. Used when student o @ Exception Mandler dass Chobal Ecoption Handling

Controller A dirice is use case quand tu verex que

ce soit handle de manière global.

On crée une closse avec l'annolation & Controller A dirice et

metho les methodes & Exception Mandler de dans. API Best Pradia Pluriel pour andgoints: /employees

Ne pas methe les verbes dans le noms des andgoints

whilsen les verbes HTTP

ex: api/add Employee X

POST rapi/amployees emelbus

a Repository
Define Services with @ Service
- Integrating into from * sources ex: employeeDAO, skillsDAO, Payroll DOA
Employee Service Controller DB
- Spring will outo register Service implementation
o Transactional boundaries in Service (> @ Transactional
entity Manage, merge (the Employee)  Ly if id == 6  then save/insert else update
Spring Data JPA
Permet avoir les méthodes CRUD sans écrise dans Impl
Jpa Repository expose:  find All ()  find By Add ()
primary bey Type
extends Jpakepository ( Employe, Integer >
o Can also remove & Transadinal

as a separate properties of the properties of th

Spring Data REST o 6 et end points with no coding o 6 que tu as besoin: 1. Your entity: Employee Repository extends Jpa Repository 3. Moven POM dependency: spring - boot-starter-data-rest Spring Pata REST > db Employee Repisitory MATEOS -> meta-data for REST data

• Le return sera le response avec d'autre - chose

comme page size, total elements, page, etc. · You can add cuton queils with JRQL Custom base und -> applicate, propertos
spring, data. rest, base- path = / magic-api PUT: met le id dans url parameter, le autres dans body Pluralized Form: o complex language. Default add 's' What about Goose -> Geese?
O Solution: use @ Repository Rost Resource (path = "members") Pagination:
O Return first 20 elements. Modifier dans properties
Solution: ? page = 0

