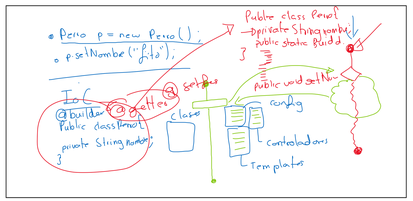
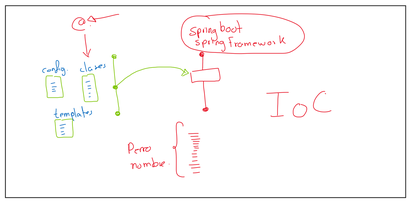
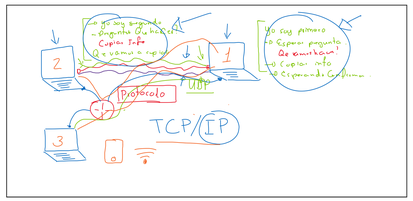
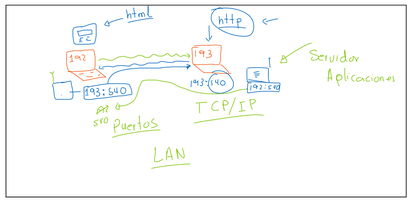
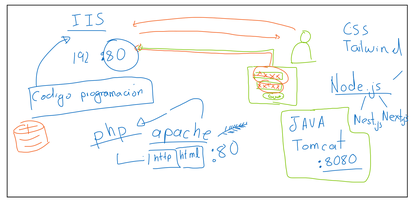
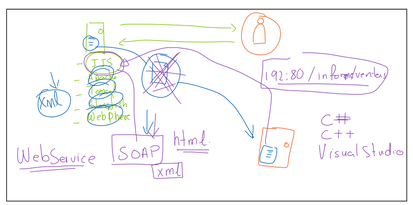

Perro p = new Perro();
p.setNombre("fido");
IoC
@Builder
@getter
@setter
Public class Perro
private String nombre;
Public class Perro
private String nombre;
public static Build
Public void setNo
clase
config
controladores
Templates

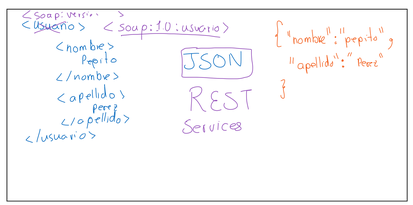

config
clases
templates
Spring boot
Spring framework
IoC
Perro
nombre

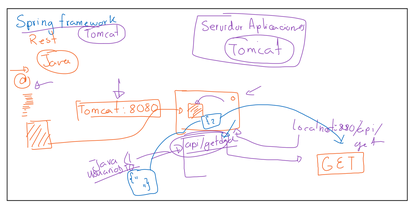

Protocolo
UDP
TCP/IP

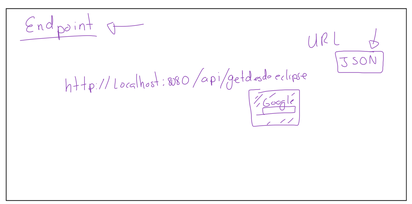

html
http
Servidor Aplicaciones
Puertos
TCP/IP
LAN

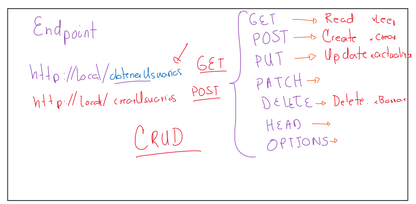

IIS
:80
Codigo programacion
CSS
Tailwind
Node.js
Next
Nestjs
JAVA
Tomcat
:8080
php
apache
:80

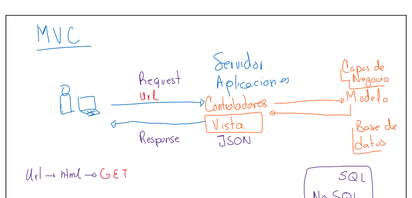

IIS
XML
WebDline
192:80/informeventas
C#
C++
VisualStudio
WebService
SOAP
html
xml

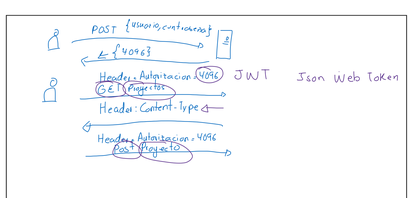

<soap:version>
<Usuario>
<soap:10:usuario>
<nombre>
Pepito
</nombre>
<apellido>
Perez
</apellido>
</usuario>
JSON
REST
Services
{"nombre": "pepito",
"apellido": "Perez"
}

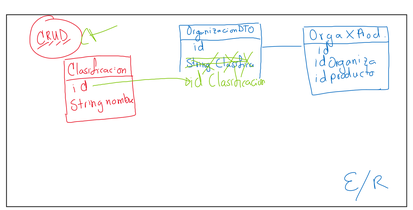

Spring framework
Rest
Tomcat
Java
Servidor Aplicacion
Tomcat
Tomcat:8080
localhost:8080/api/get
GET

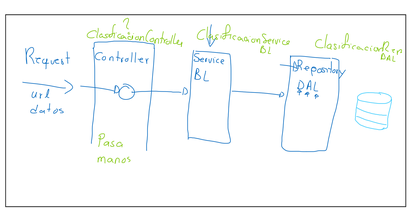

Endpoint
URL
JSON
http://Localhost:8080/api/getdatadeeclipse
Google

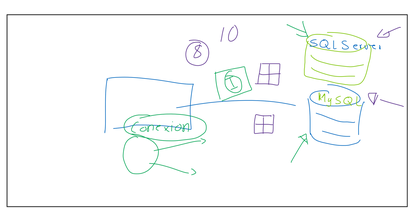

Endpoint
http://local/obtenerUsuarios
GET
http://Local/crearUsuarios
POST
CRUD
GET → Read
POST → Create
PUT → Update
PATCH →
DELETE → Delete
HEAD →
OPTIONS →

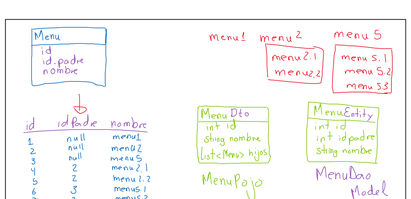

MVC
Request
Url
Servidor
Aplicacion
Capas de
Negocio
Modelo
Controladores
Vista
JSON
Base de
datos
Response
Url → html → GET
SQL
No SQL

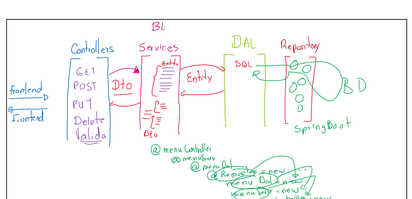

POST {usuario, contraseña}
{49963
Header: Autorizacion 4096
GET Proyectos
Header: Content-Type
Header: Autorizacion: 4096
POST Proyecto
JWT
Json Web Token

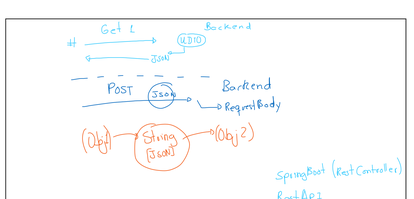

CRUD
Clasificacion
id
String nombre
OrganizacionDTO
id
String Clasificacion
id Clasificacion
OrgaXProd
id
id Organiza
id producto
E/R

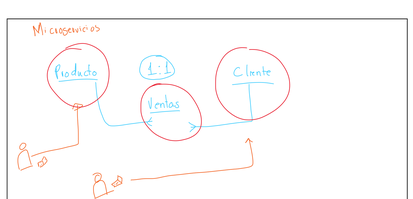

Request
url
datos
ClasificacionController
Controller
Pasa
manos
ClasificacionService
Service
BL
ClasificacionRepo
Repository
DAL

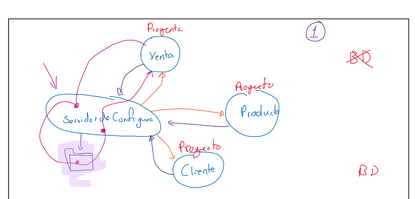

IO
SQLServer
MySQL
Conexion

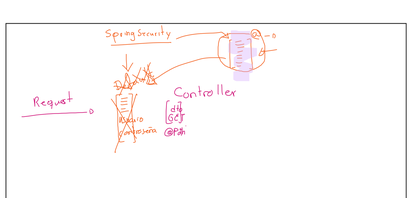

Menu
id
id_padre
nombre
menu1
menu2
menu5
menu2.1
menu2.2
menu5.1
menu5.2
menu5.3
id | idPadre | nombre
1 | null | menu1
2 | null | menu2
3 | null | menu5
4 | 2 | menu2.1
5 | 2 | menu2.2
6 | 3 | menu5.1
7 | 3 | menu5.2
8 | 3 | menu5.3
MenuDto
int id
String nombre
List<Menu> hijos
MenuPojo
MenuEntity
int id
int id padre
String nombre
MenuDao
Model


BL
Controllers
Services
DAL
Repository
GET
POST
PUT
Delete
Valida
Dto
Entity
SQL
BD
SpringBoot
frontend
Fronted


Get
Backend
UDTO
JSON
POST
Backend
RequestBody
String
JSON
SpringBoot (RestController)
RestApi


Microservicios
Producto
1:1
Ventas
Cliente


Proyecto
Venta
Proyecto
Producto
Servidor de Configuraciones
Proyecto
Cliente
BD


SpringSecurity
Request
Controller
id
GET
@Path