



AFS

Agile Full Stack

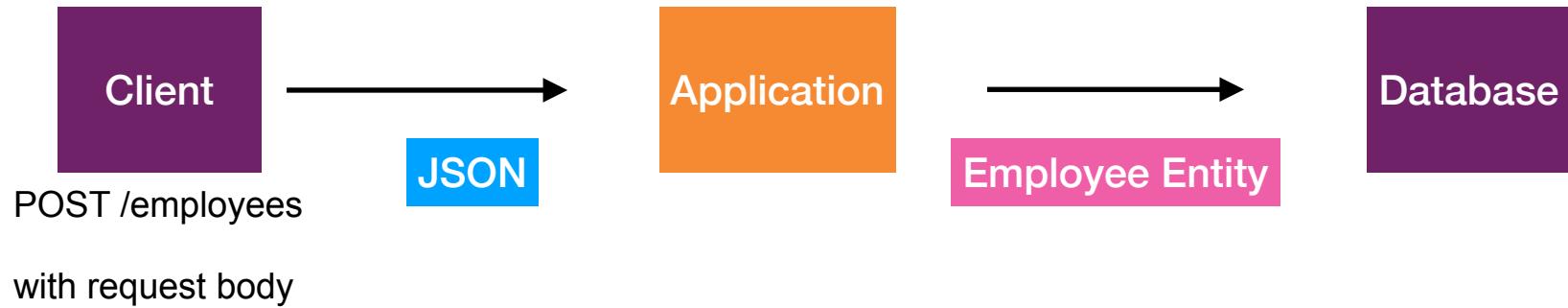
Developer Bootcamp

Thoughtworks ©

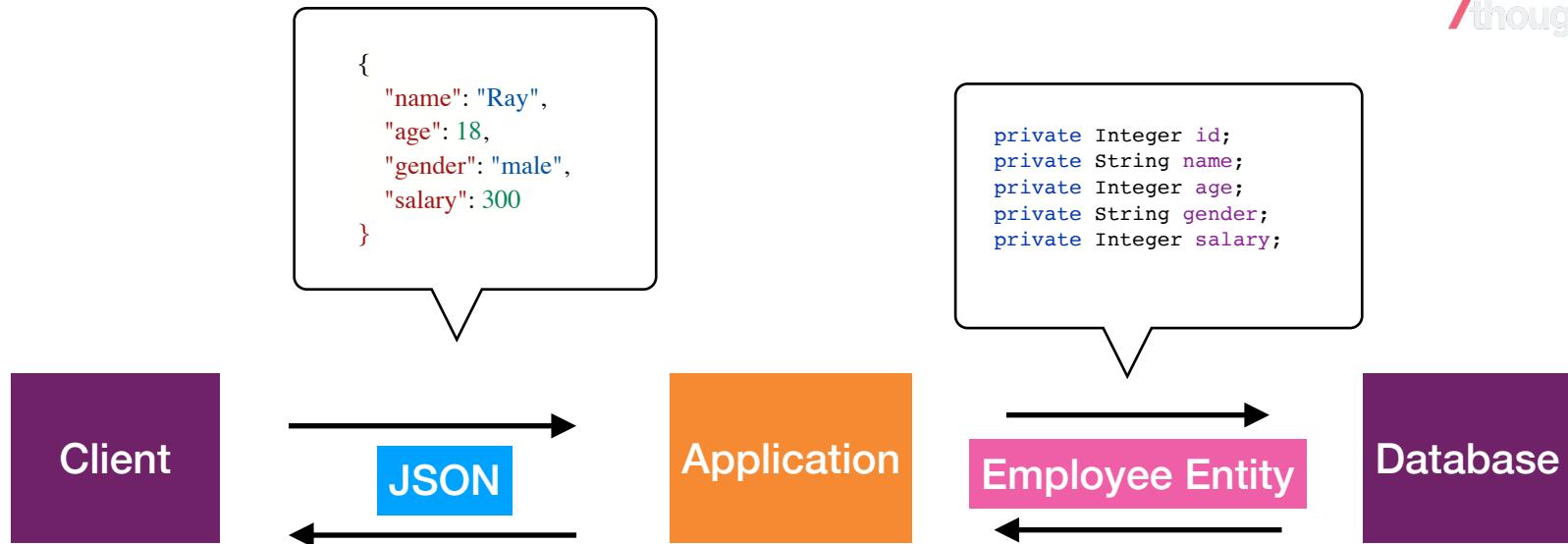
SpringBoot - Mapper

/thoughtworks

DTO



DTO

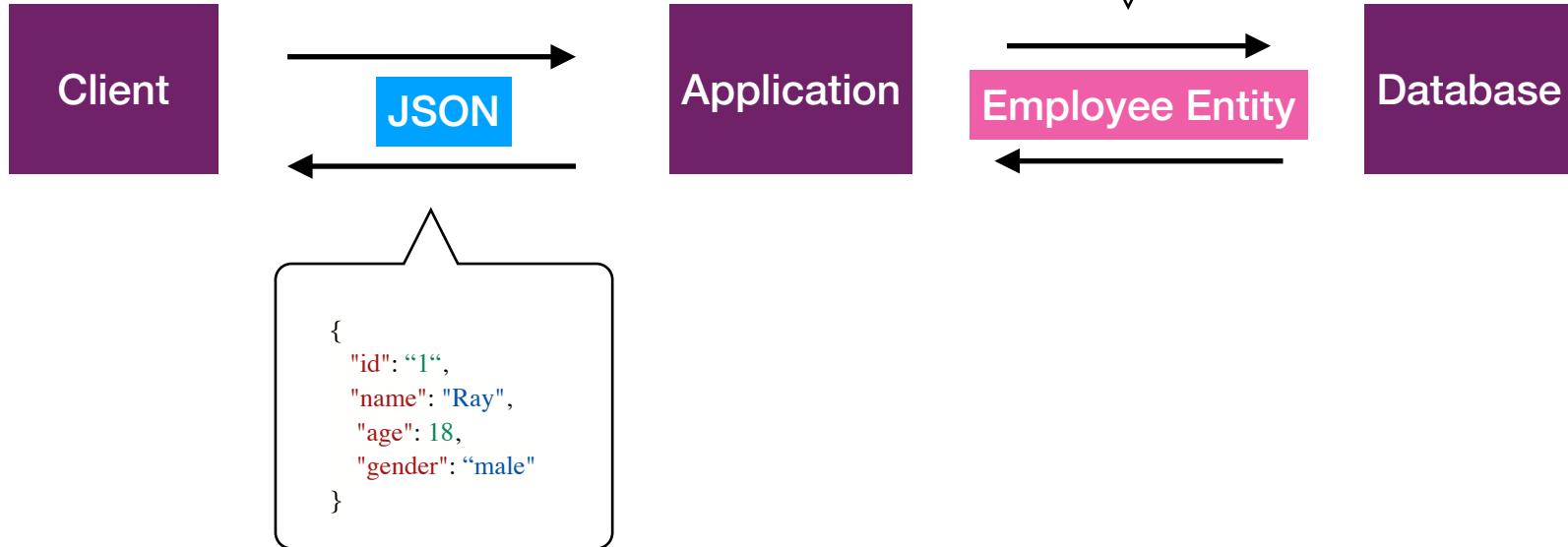


POST /employees

with request body

DTO

GET /employees



DTO

```
{  
    "name": "Ray",  
    "age": 18,  
    "gender": "male",  
    "salary": 300  
}
```

Json

```
private String name;  
private Integer age;  
private String gender;  
private Integer salary;
```

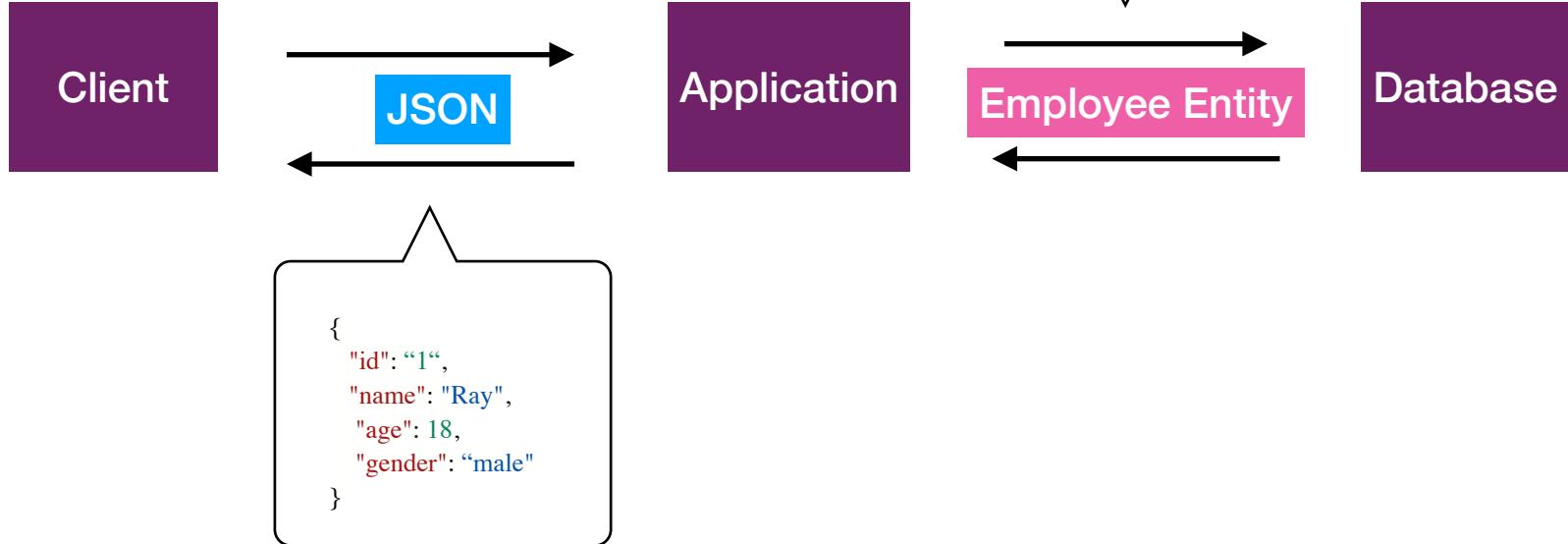
EmployeeRequest

```
private String id;  
private String name;  
private Integer age;  
private String gender;  
private Integer salary;
```

Mapper**EmployeeEntity****Controller**

DTO

POST /employees



DTO

```
{  
    "name": "Ray",  
    "age": 18,  
    "gender": "male",  
    "salary": 300  
}
```

Json

```
private String name;  
private Integer age;  
private String gender;  
private Integer salary;
```

EmployeeRequest

```
private String id;  
private String name;  
private Integer age;  
private String gender;  
private Integer salary;
```

EmployeeEntity

Mapper

EmployeeResponse

Json

```
{  
    "id": "1",  
    "name": "Ray",  
    "age": 18,  
    "gender": "male"  
}
```

```
private String id;  
private String name;  
private Integer age;  
private String gender;
```

Controller

Mapper Practice

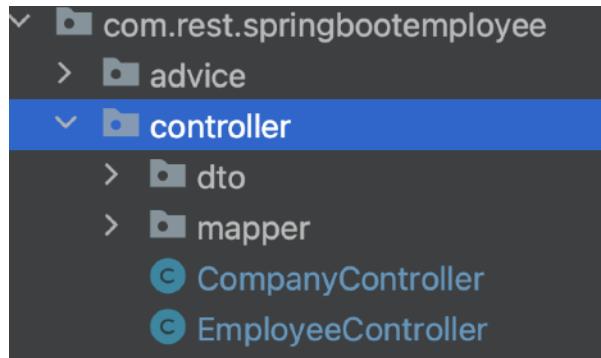
1, create **EmployeeRequest**

2, create **EmployeeMapper** and create one method **toEntity()** in it

3, use EmployeeRequest and EmployeeMapper in **EmployeeController** on apis:

- **create**
- **update**

Pair Programming



1	Heinrich	Jenny
2	Alan	Alvin
3	Marie	Michael
	Thomas	

4	Joyce	Vincent
5	Kelvin	Chris
6	Polly	Antony

Mapper Practice

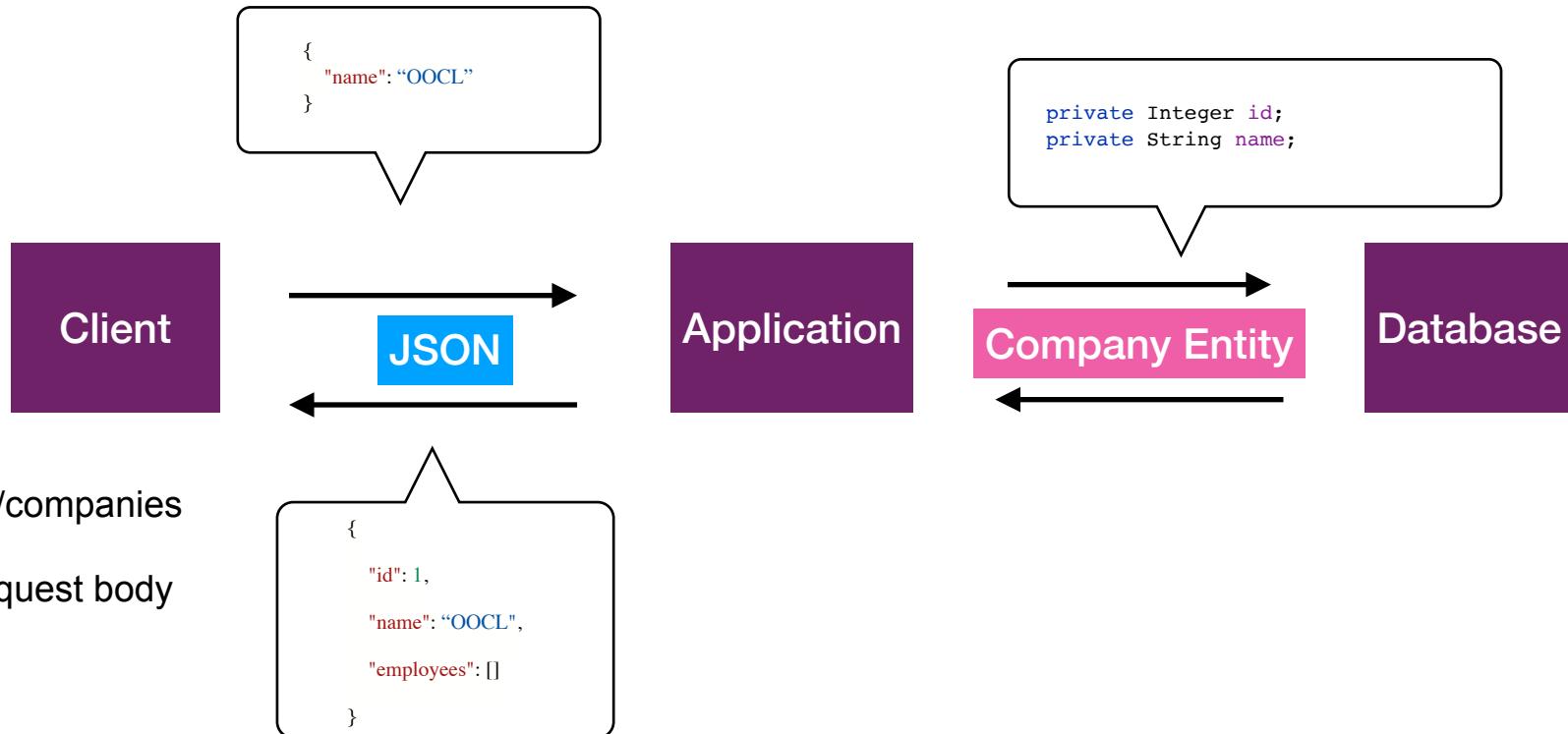
1, create **EmployeeResponse**

2, create **EmployeeMapper** with **toResponse**

3, use EmployeeResponse and EmployeeMapper in **EmployeeController** on apis:

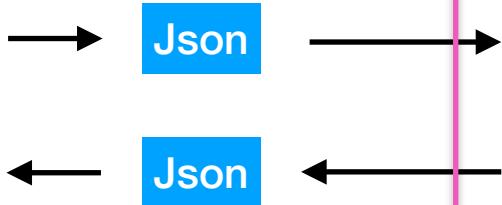
- create
- update
- getById

DTO



DTO

```
{  
  "name": "OOCL"  
}
```



```
private String name;
```

CompanyRequest

```
private Integer id;  
private String name;
```

CompanyEntity**Mapper****CompanyResponse**

```
private Integer id;  
private String name;  
private Integer employeesCount;
```

```
{  
  "id": 1,  
  "name": "OOCL",  
  "employeesCount": 5  
}
```

Controller



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Thank You !

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