

REST

JAXRS / HTTP / JSON / GSON / DTO / ERRORS

REST Plan

Subjects

Day1

JAXRS

HTTP

Day2

JSON

GSON

DTO

Day3

Errors

REST Day 1

Subjects

Overview

INTRO

REST / JAXRS / JERSEY

Maven Web Project - REST

POSTMAN

HTTP

Requests

Parameters

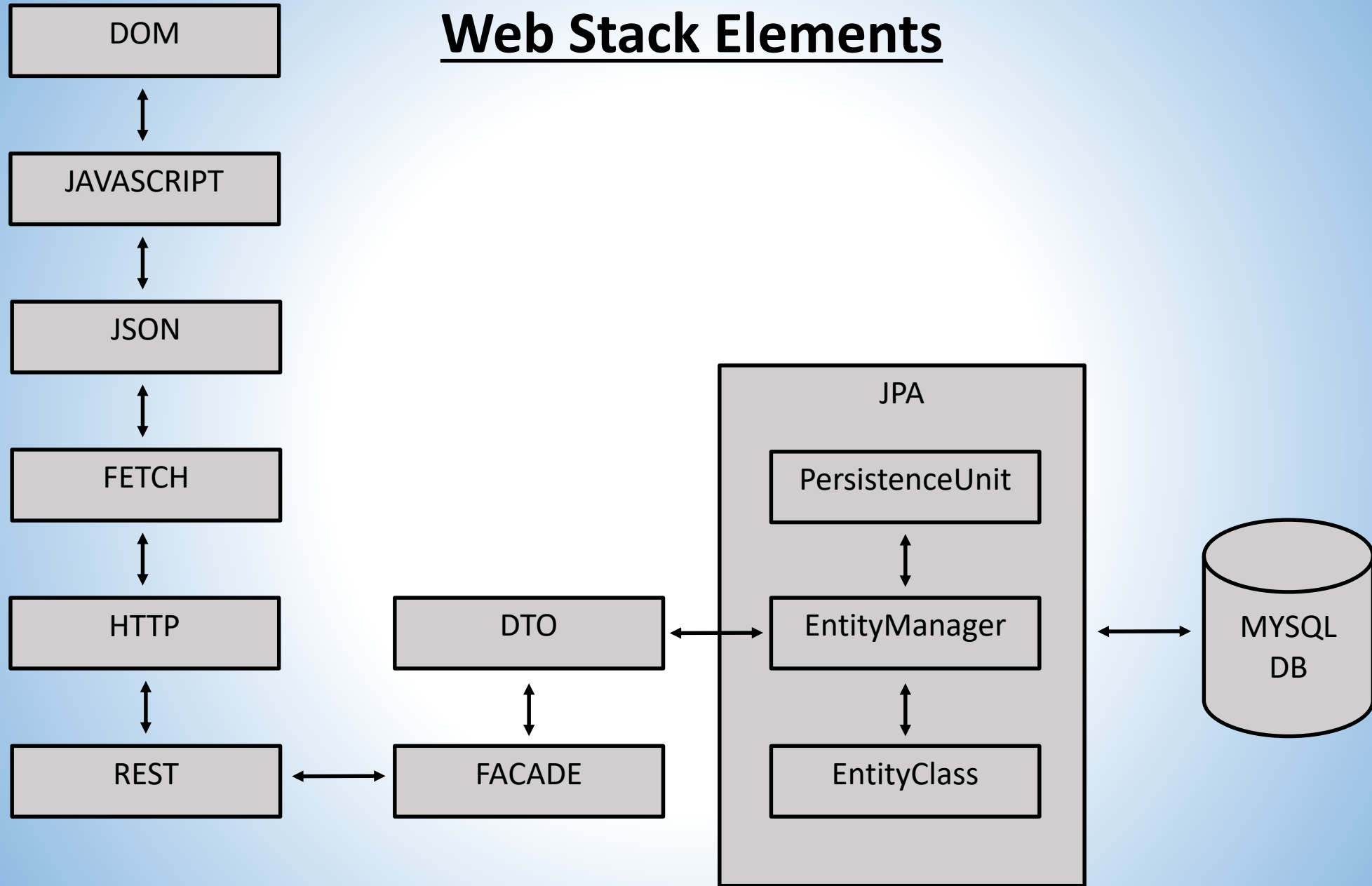
Responses

Web Stack Elements

Draw interaction and connection between web stack elements

DTO
FETCH
EntityClass
MYSQL DB
HTTP
PersistenceUnit
FACADE
JAVASCRIPT
EntityManager
REST
JPA
JSON

Web Stack Elements



DEMO

Maven Web Project

Dependencies

Index

GET

Exception / String

POST

Media types / Paths / Methods / Contexts

PUT

Parameters / Responses

DELETE

Exercise

EXERCISE

DELETE

Create url

Method: Delete

MediaType: json

Path parameter: username

Query parameter: deletiondate

Sout parameters

Return notfound response if username == joe else ok response with user + deletiondate

REST Day 2

Subjects

GSON

JsonObject / JsonParser / JsonArray

ArrayLists

Bidirectional relationships

JPA

Entity classes: Person / Address

Populate

RESTPerson / Facade / getPersons

Transient / DTO / TypedQuery

Finish GET / POST / PUT / DELETE

REST Day 2

Subjects

JSONCONVERTER
Creating / Using

DERBY

Dependency

Add persistence unit for tests with subpackage value
Create JunitTests for Facade

REST Day 3

Subjects

REST PERSON

RESTPerson GetPersons	/api/person	GET
RESTPerson AddPerson	/api/person {"firstName":"Bobby","lastName":"Johnson","phoneNumber":765765765}	POST
RESTPerson DeletePerson	/api/person {"firstName":"Bobby","lastName":"Johnson","phoneNumber":765765765}	DELETE
RESTPerson GetPerson/firstName/lastName	/api/person/bobby/johnson	GET

REST Day 3

Subjects

ERROR HANDLING

WebApplicationException / Extends WebApplicationException
ExceptionObject
ExceptionHandler

RESTASSURED

PostPerson
GetPerson
DeletePerson

REST Day 3

Subjects

JAVASCRIPT / FETCH

get

post

delete