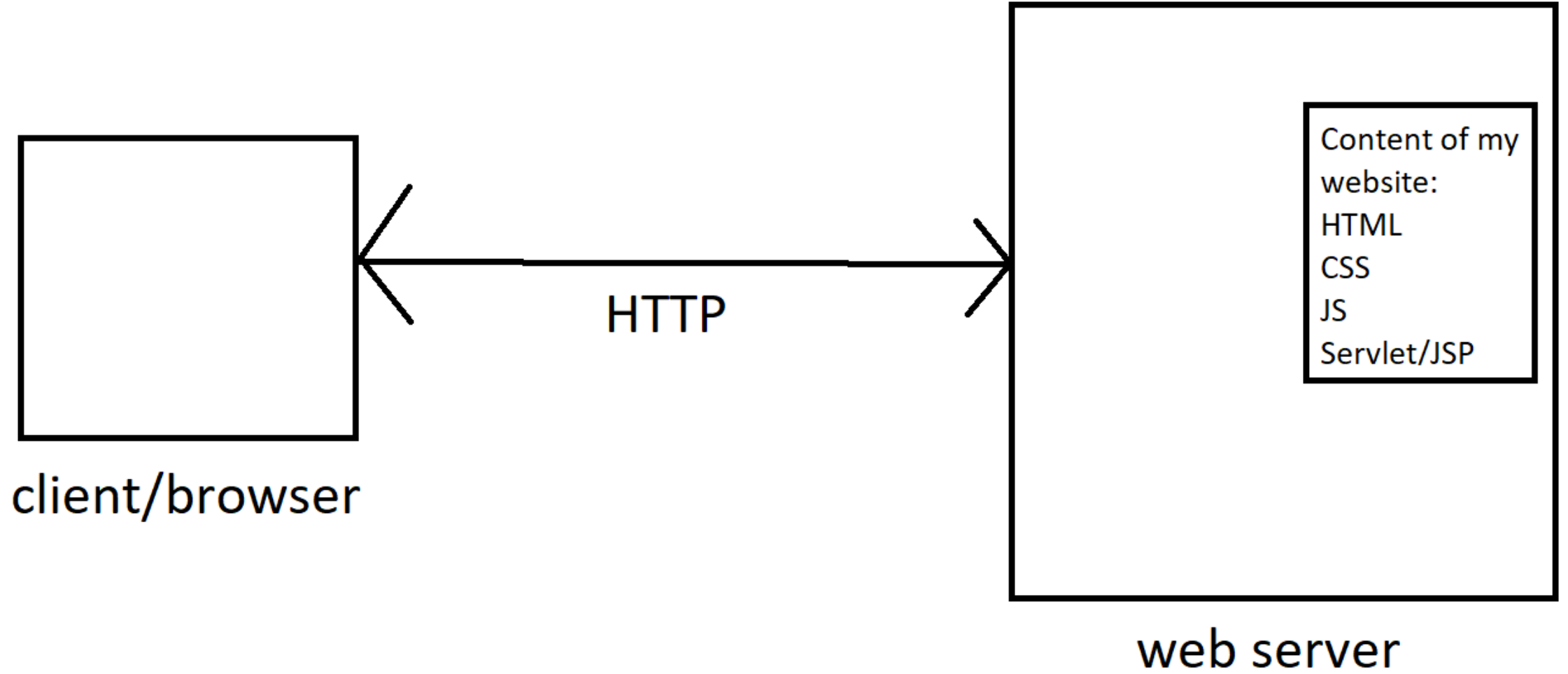
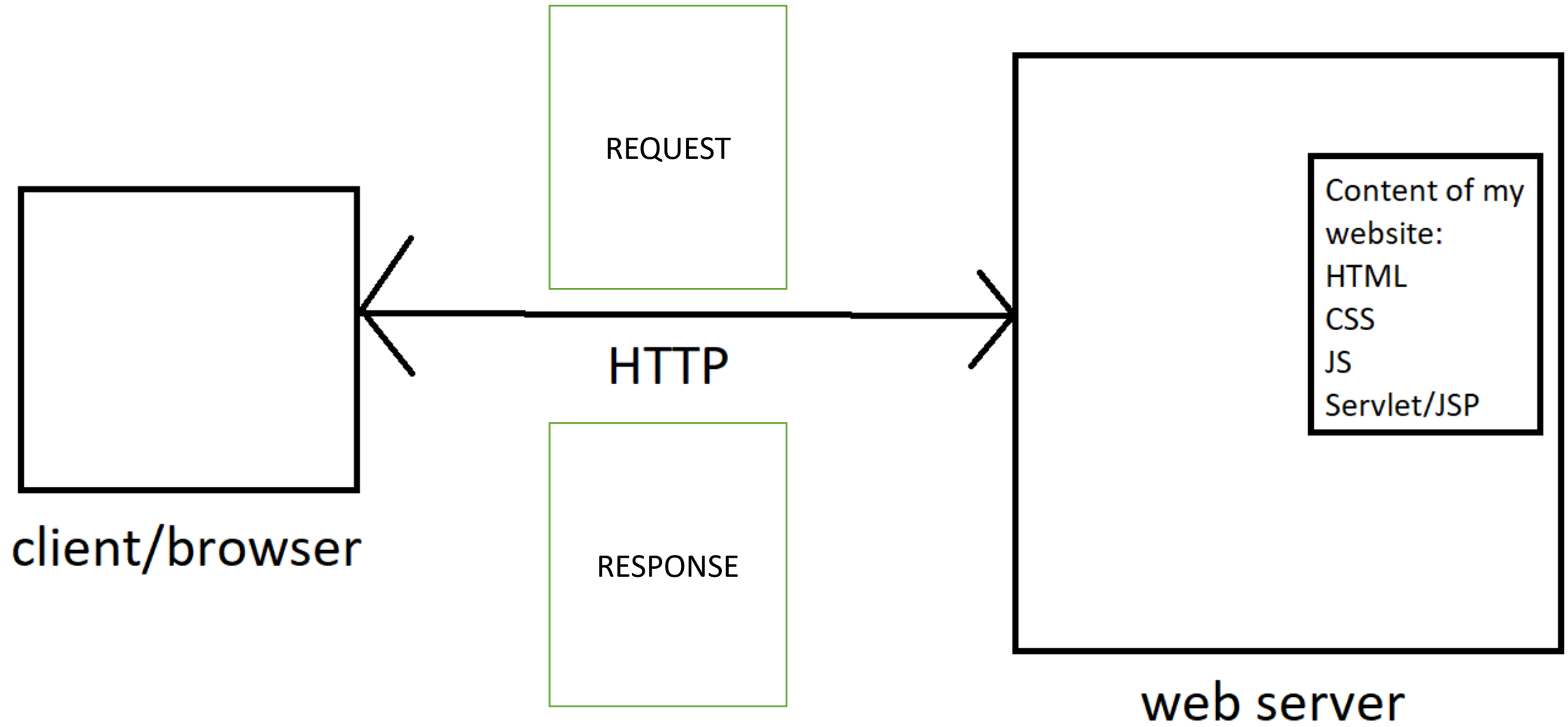
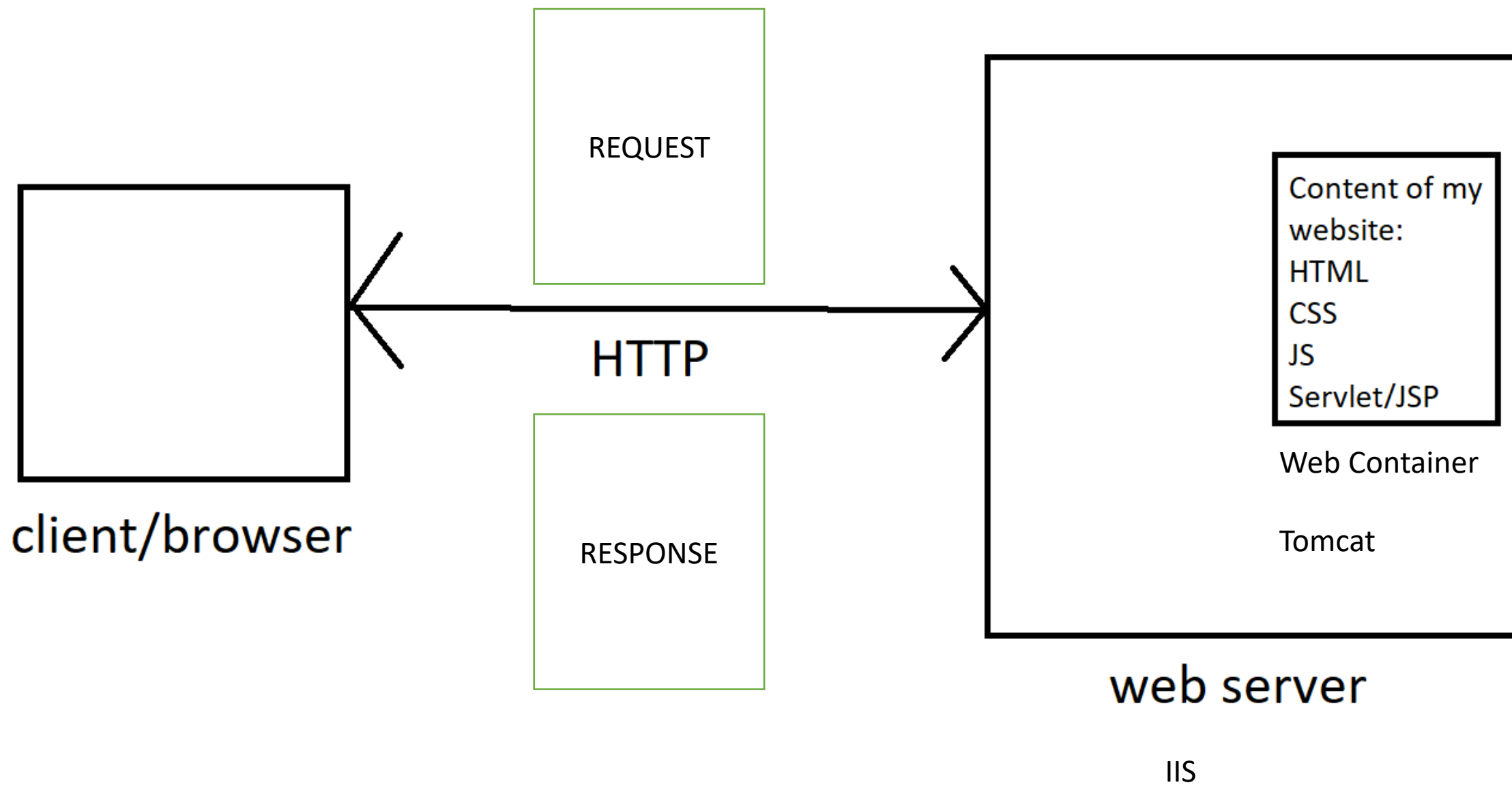
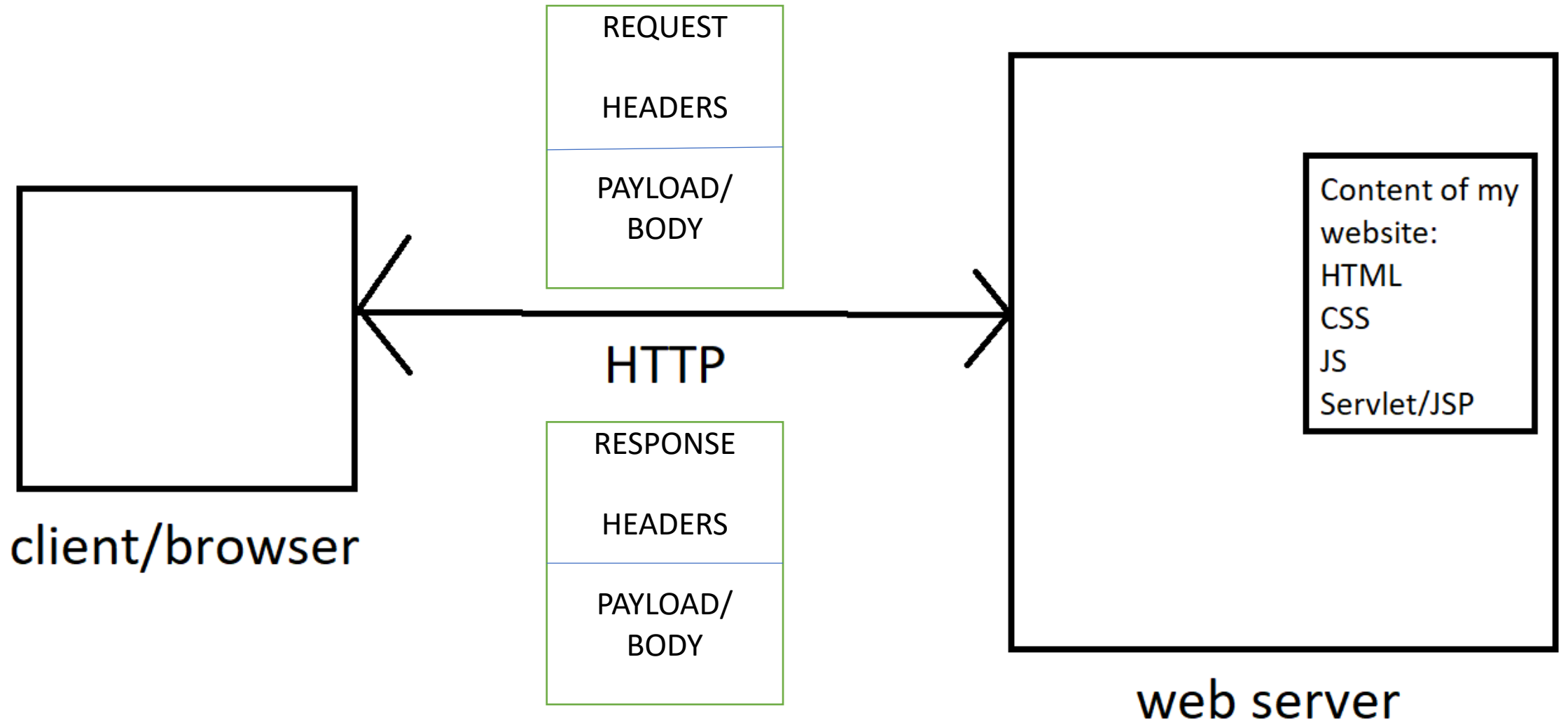


roughwork









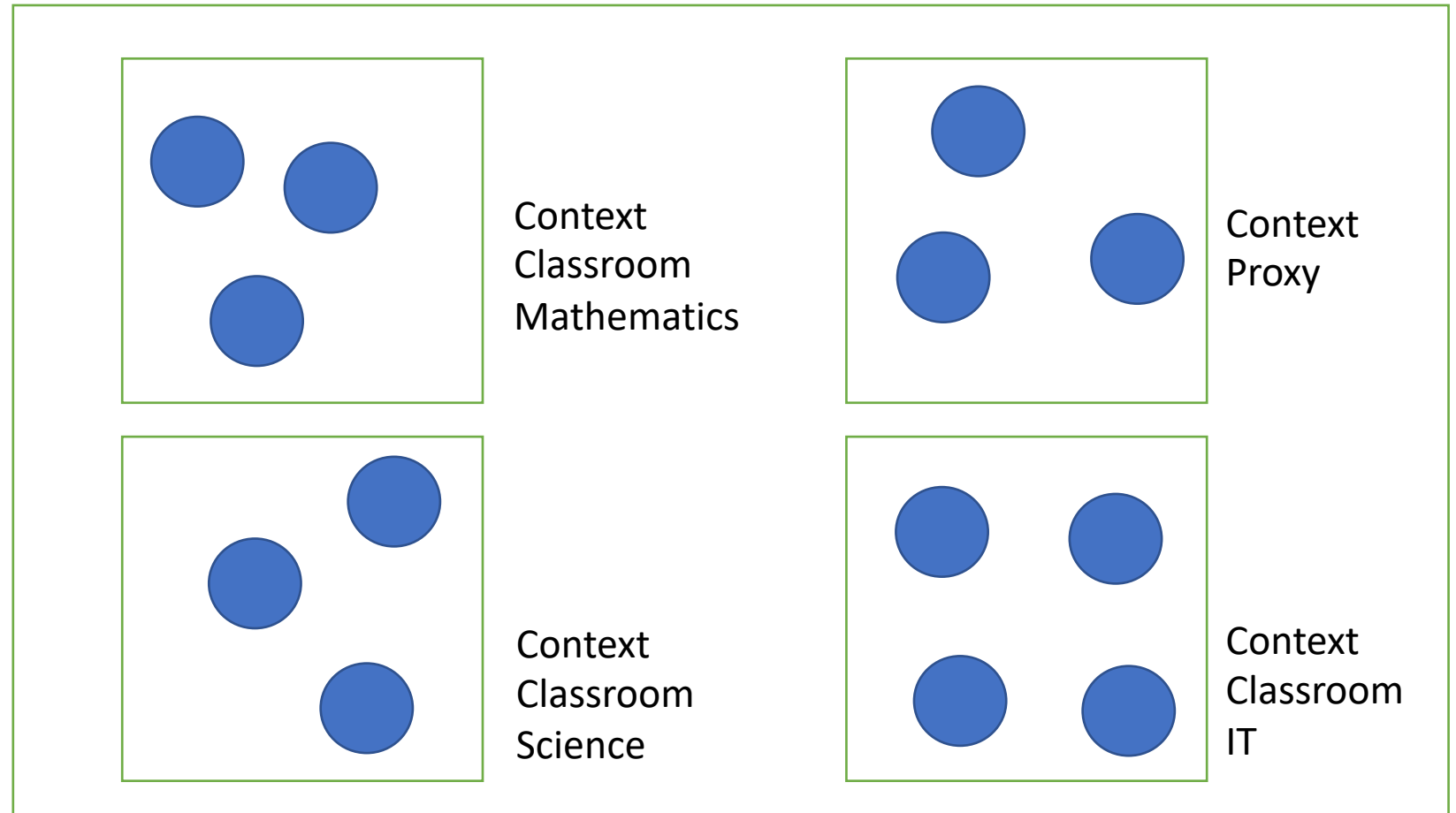
```
graph TD; Servlet[Servlet] --> GenericServlet[GenericServlet]; GenericServlet --> HttpServlet[HttpServlet]; GenericServlet --> Mpservlet[Mpservlet];
```

Servlet

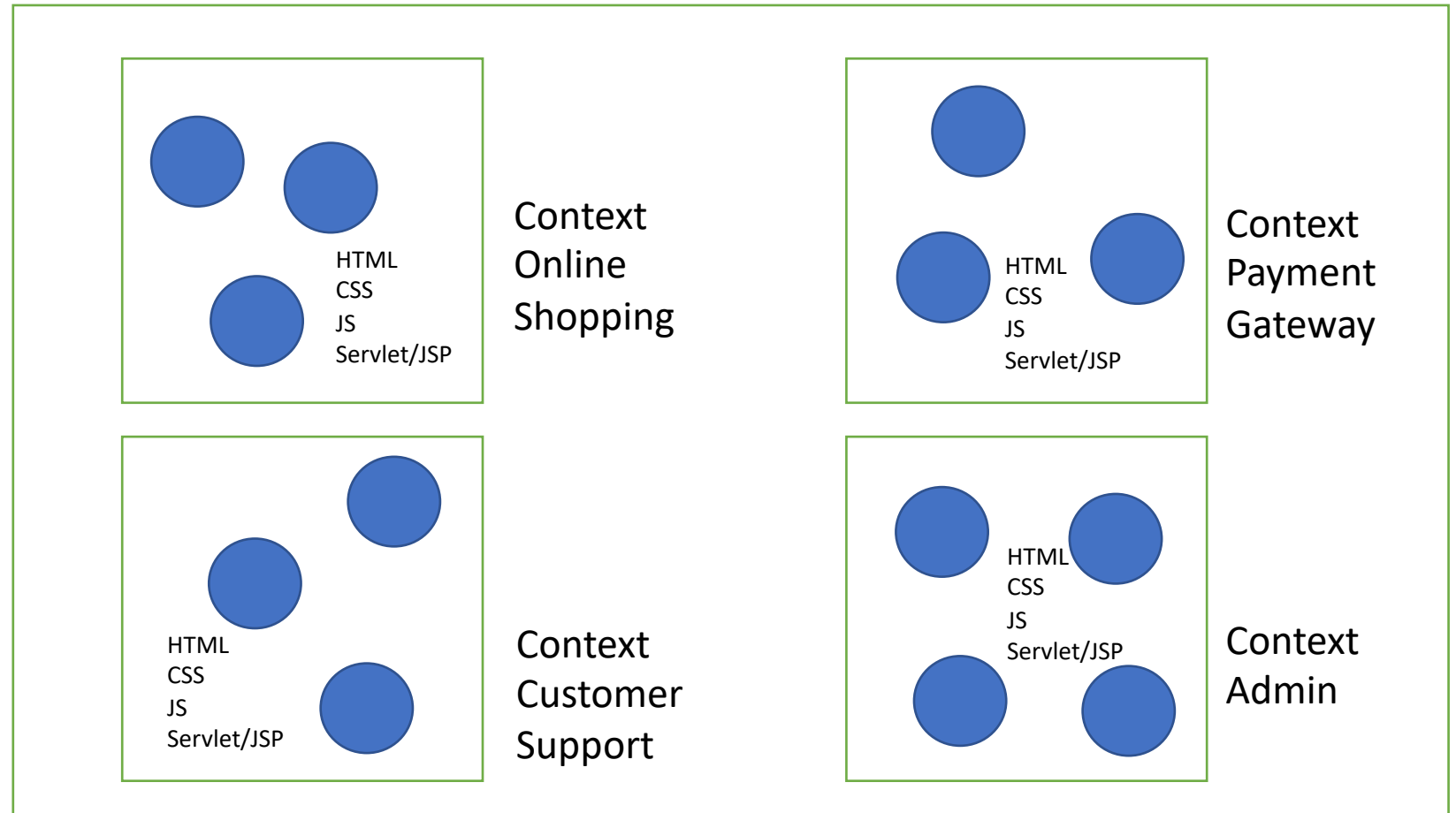
GenericServlet

HttpServlet

Mpservlet

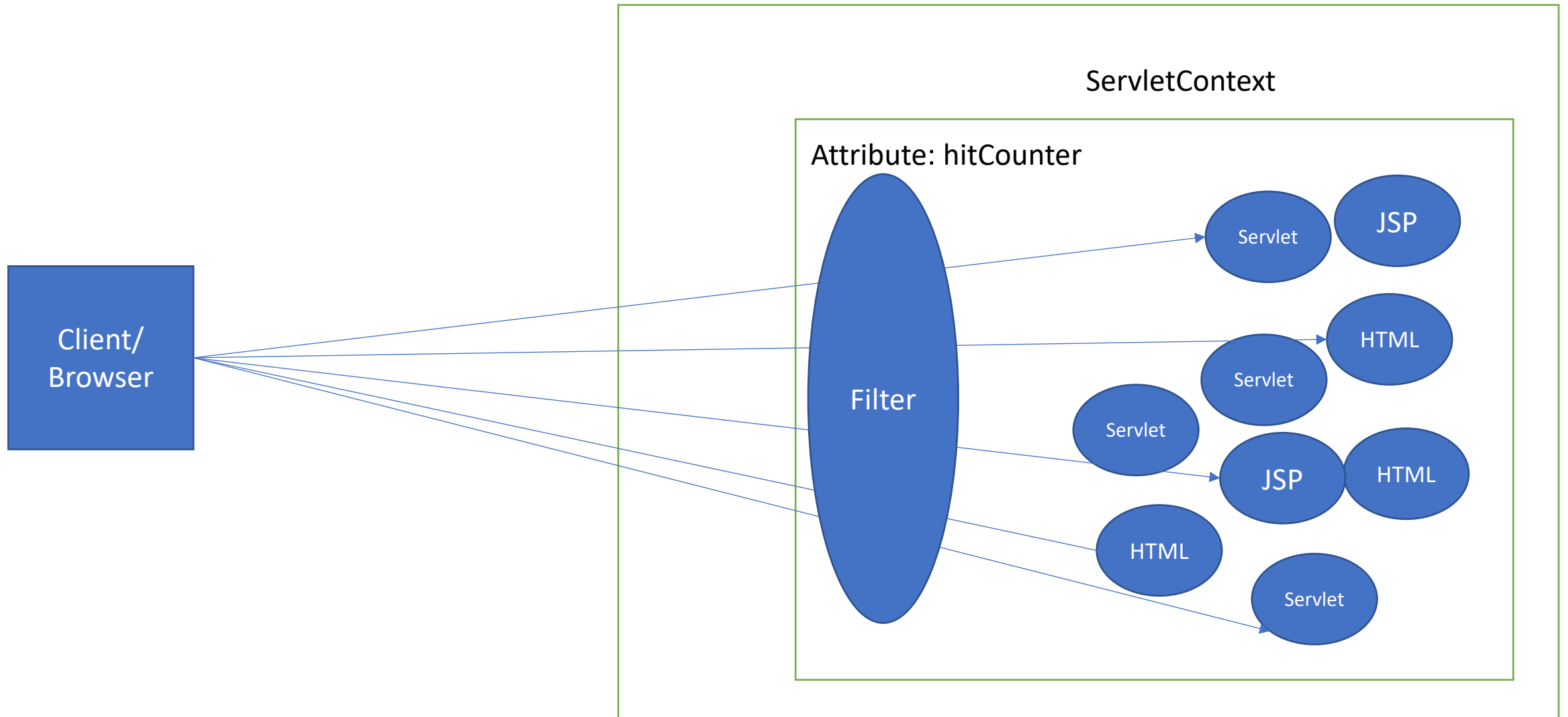


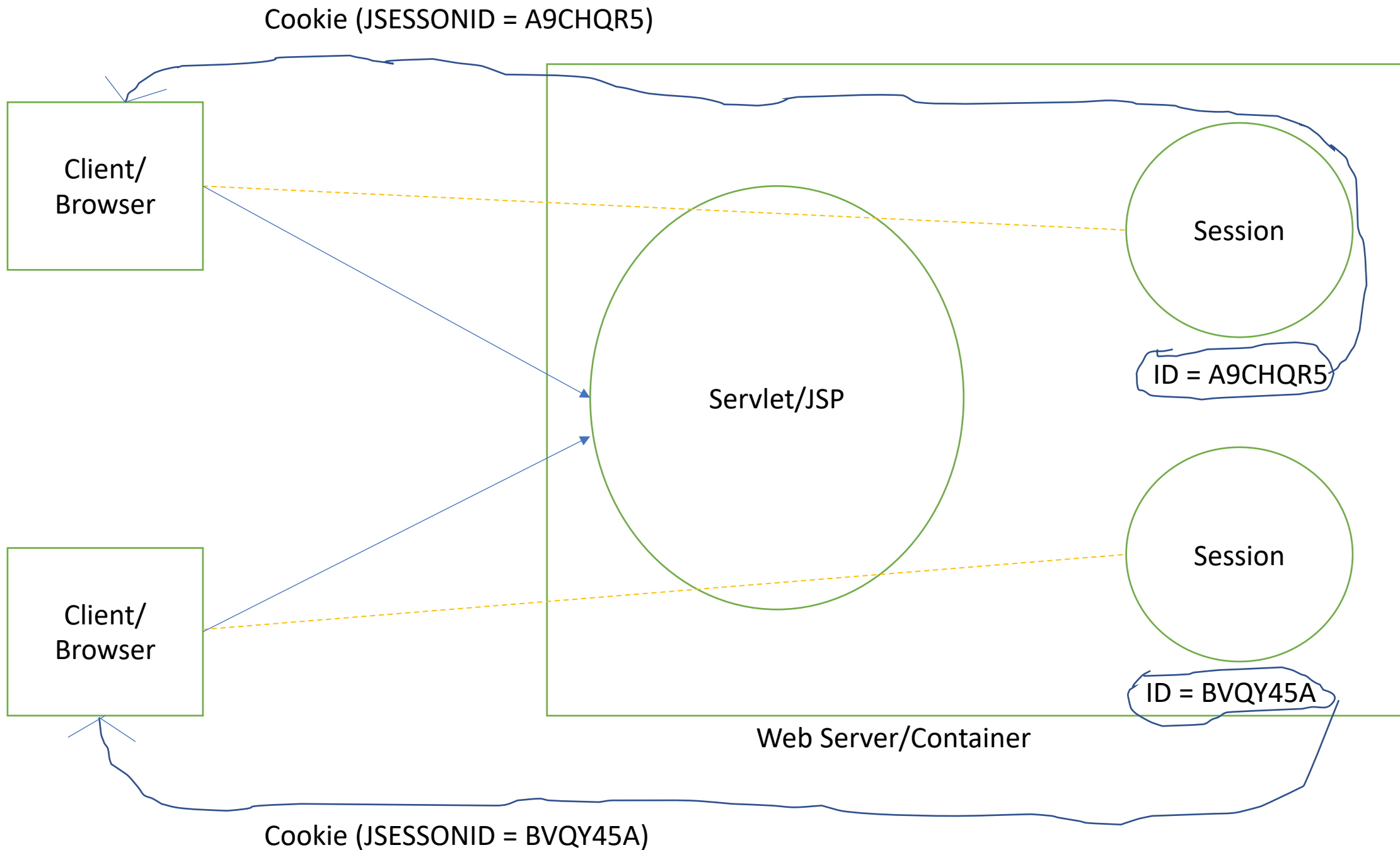
Web Server/Container

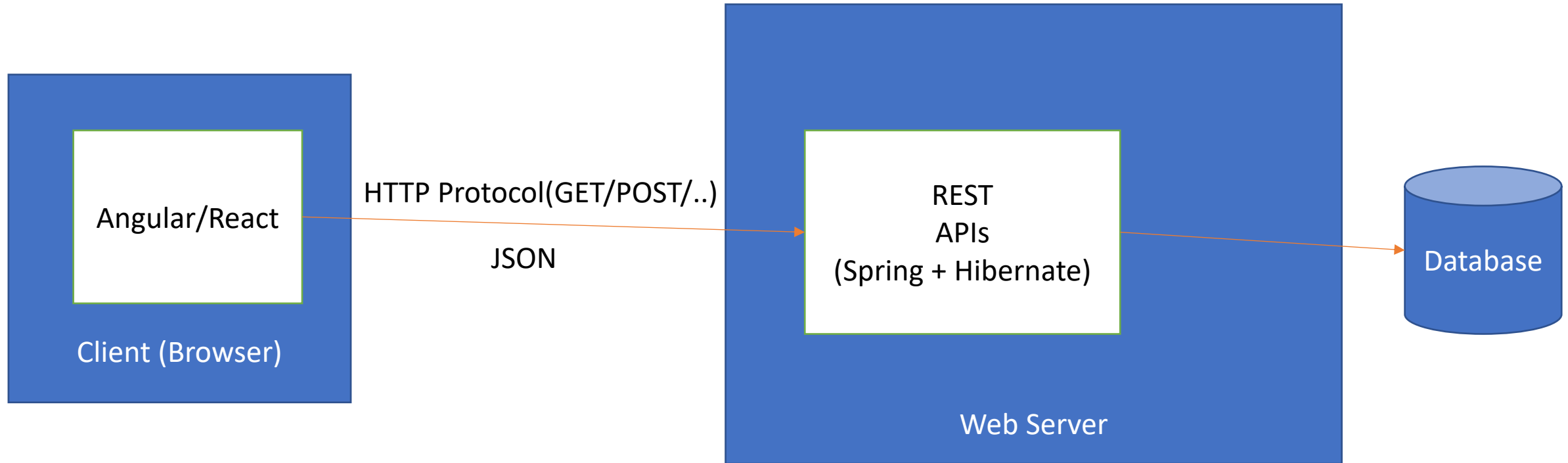


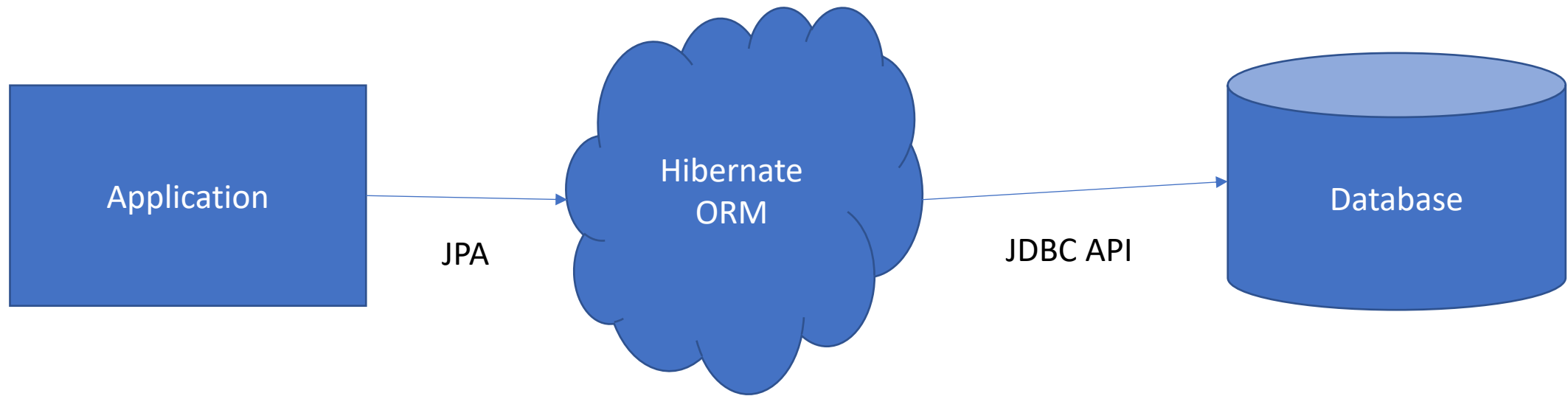
Web Server/Container

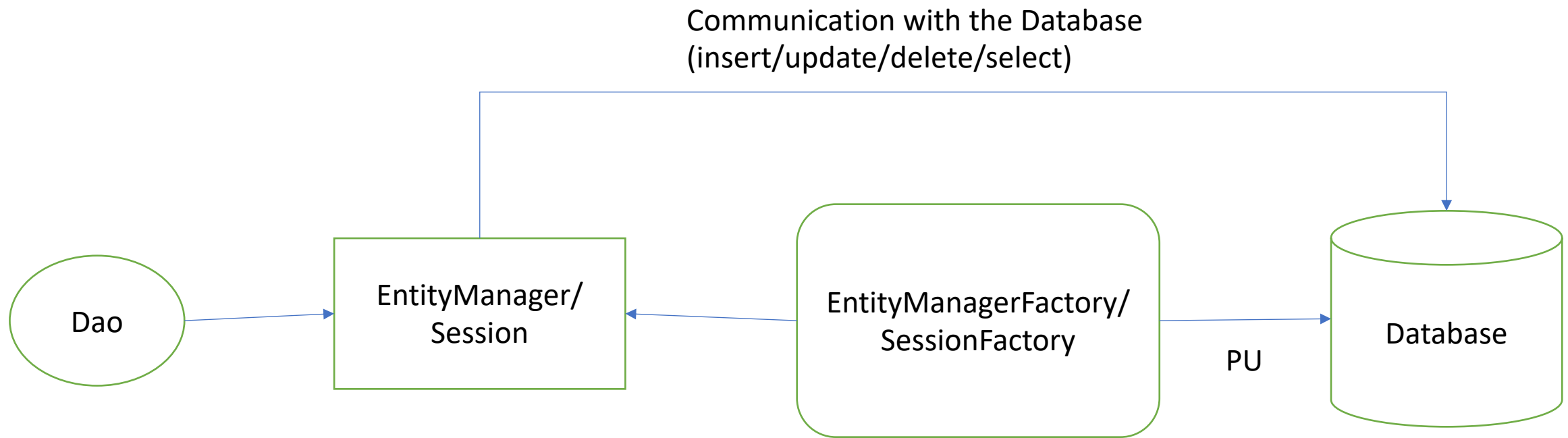
Web Server/Container











ASSOCIATION (ONE TO ONE)

TBL_CUST

CUST_ID (PK)	NAME	EMAIL	ADDR_ID (FK)	
111	MAJRUL	MAJRUL@GMAIL	100	

TWO CHOICES:

SHOULD I KEEP ADDR_ID AS FK
IN CUST TABLE

OR

SHOULD I KEEP CUST_ID AS FK
IN ADDRESS TABLE

TBL_ADDRESS

ADDR_ID (PK)	CITY	PINCODE	STATE	
100	MUMBAI	400001	MH	
200	PUNE	421001	MH	

ASSOCIATION (ONE TO ONE)

TBL_PERSON

PERS_ID (PK)	NAME	DATE_OF_BIRTH	EMAIL

TBL_PASSPORT

PASSPORT_NO (PK)	ISSUE_DATE	EXPIRY_DATE	ISSUED_BY	PERS_ID (FK)

ASSOCIATION (ONE TO ONE)

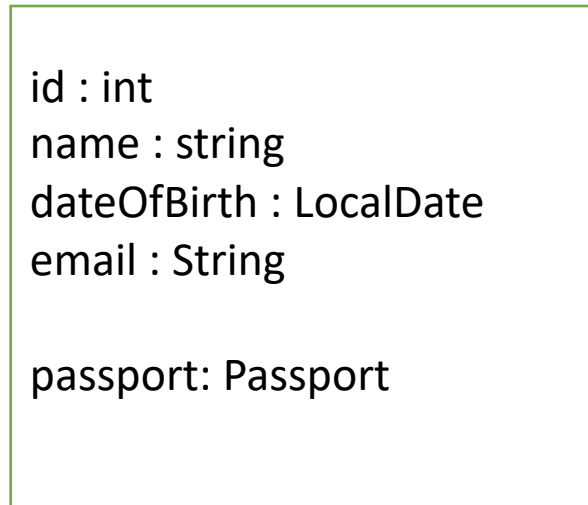
TBL_PERSON

PERS_ID (PK)	NAME	DATE_OF_BIRTH	EMAIL

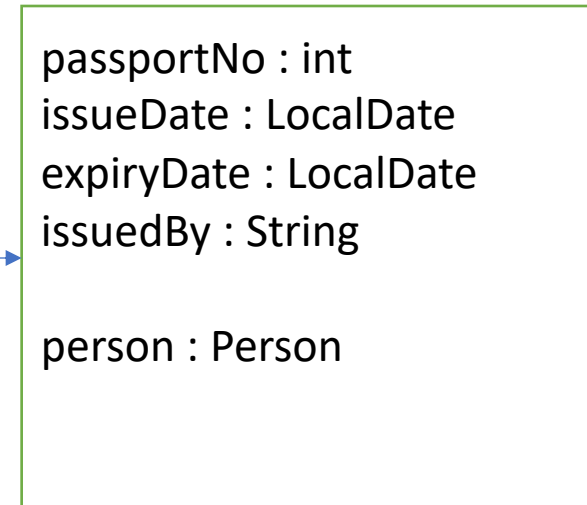
TBL_PASSPORT

PASSPORT_NO (PK)	ISSUE_DATE	EXPIRY_DATE	ISSUED_BY	PERS_ID (FK)

Person

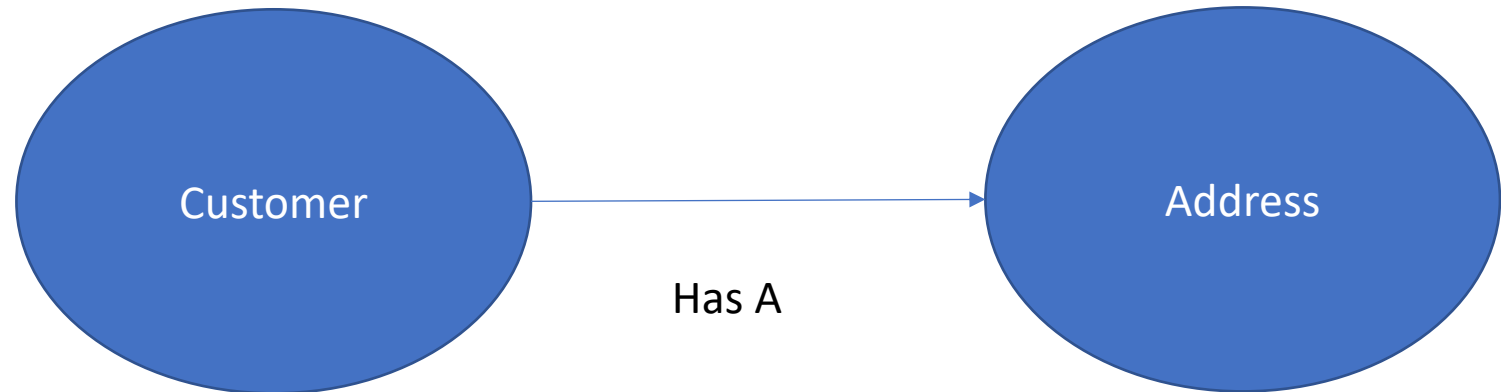


Passport



What we need is, if the customer data is inserted, the address of the customer should also get inserted automatically

The above is achieved by using cascade property



TBL_ALBUM/MOVIE
ONE TO MANY

ASSOCIATION (ONE TO MANY/MANY TO ONE)

ALBUM_ID	NAME	RELEASE_DATE	COPYRIGHT
111	HITS OF 2021	2021-12-25	SONY MUSIC
222	HITS OF 2020	2020-11-30	AMAZON MUSIC

TBL_SONG
MANY TO ONE

SONG_ID	TITLE	ARTIST	DURATION	ALBUM_ID
100	ABC	ED SHEERAN	3.30	111
200	XYZ	TAYLOR SWIFT	4.00	111
300	GHI	ED SHEERAN	3.45	111
400	AAA	ED SHEERAN	4.00	222
500	BBB	TAYLOR SWIFT	3.00	222

TBL_DEPT

ASSOCIATION (ONE TO MANY/MANY TO ONE)

DEPTNO	NAME	LOCATION	
10	IT	ANDHERI	
20	HR	VASHI	

TBL_EMP

EMPNO	NAME	SALARY	DATE_OF_JOINING	DEPTNO
1001	RAJ	50000	10-JAN-2020	10
1002	RAVI	35000	15-MAR-2021	20
1003	SNEHA	45000	30-JAN-2019	20
1004	SITA	50000	15-APR-2022	10
1005	MICHAEL	50000	30-MAR-2022	20

TBL_BOOK

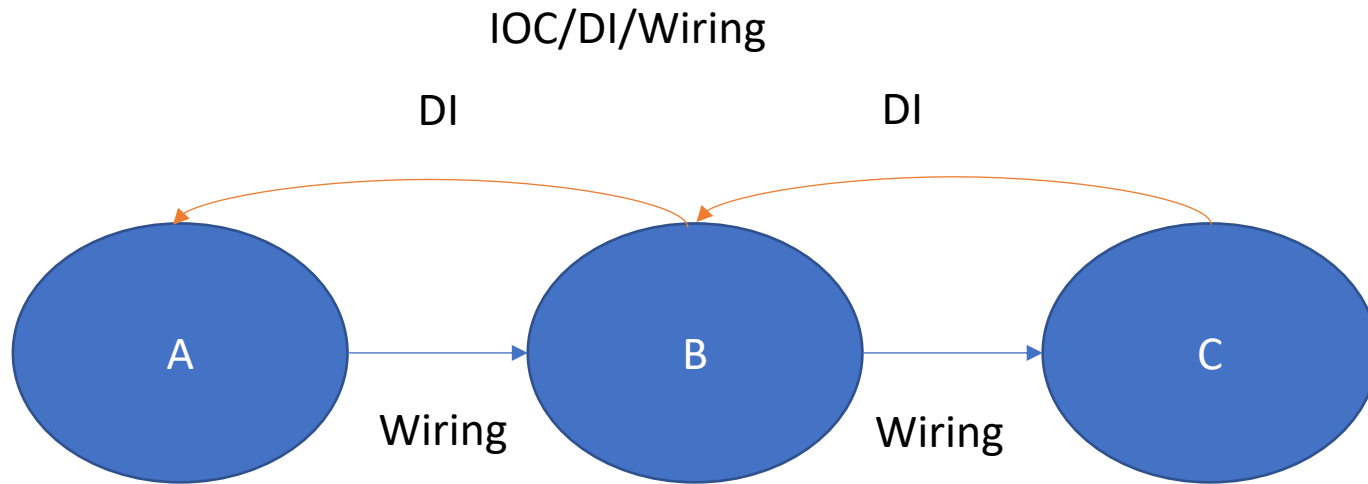
ID	NAME	COST
111	HEAD FIRST DESIGN PATTERNS	2500
222	HEAD FIRST JAVASCRIPT	1500

TBL_AUTHOR

ID	NAME	EMAIL
100	ERIC FREEMAN	ERIC@GMAIL
200	ELISABET ROBSON	ELISA@GMAIL

TBL_BOOK_AUTHOR

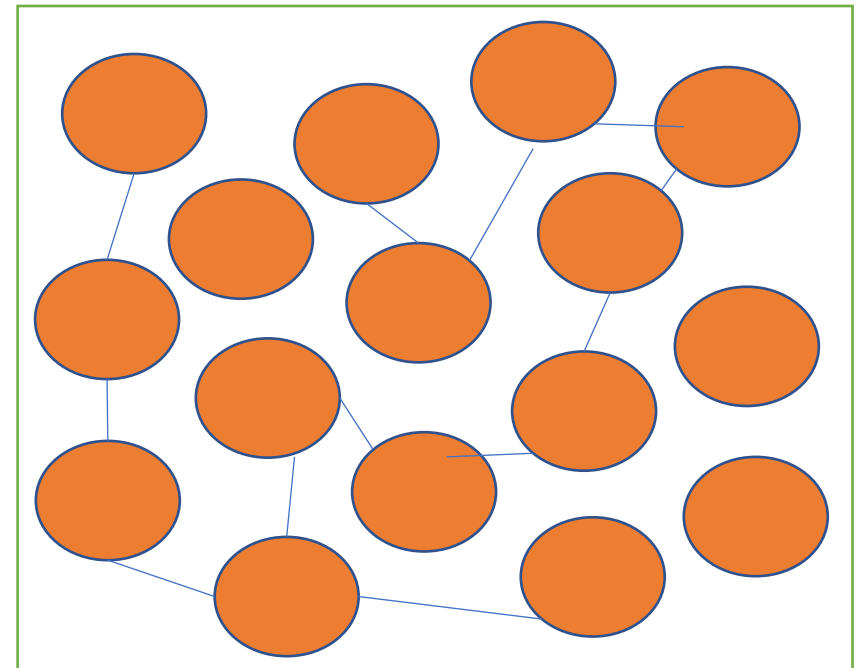
BOOK_ID	AUTHOR_ID
111	100
111	200
222	100
222	200



An application is nothing but collection of objects, all interconnected

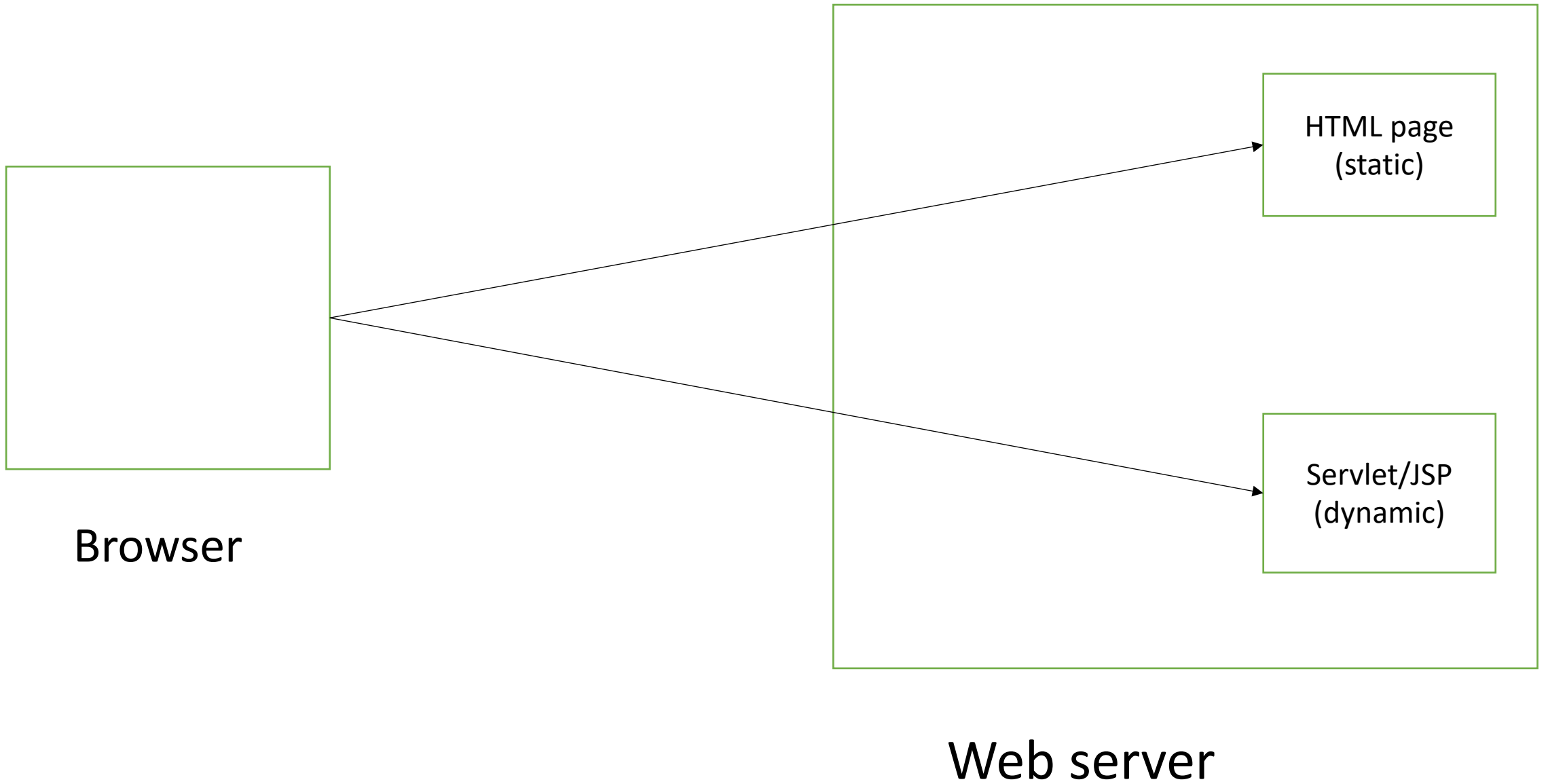
In Spring, creation of objects and injecting their dependencies is performed by the IoC Container

This container is loaded by creating an ApplicationContext object

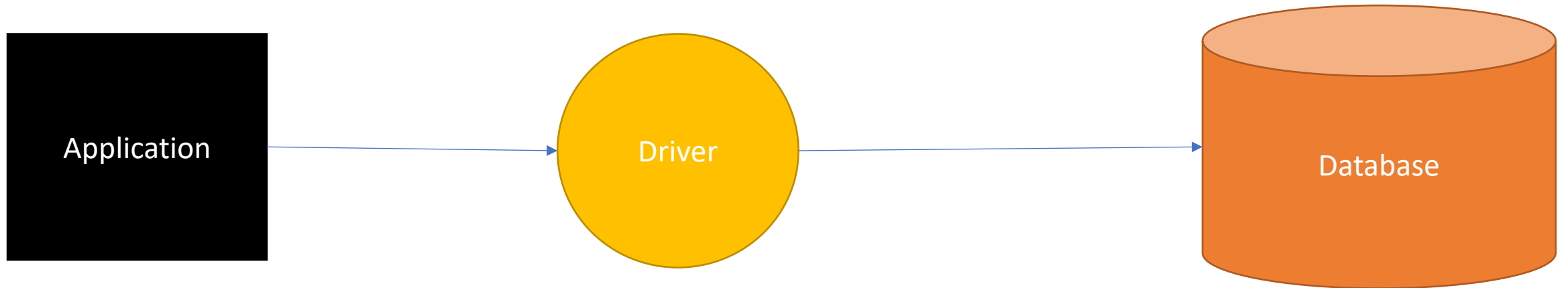
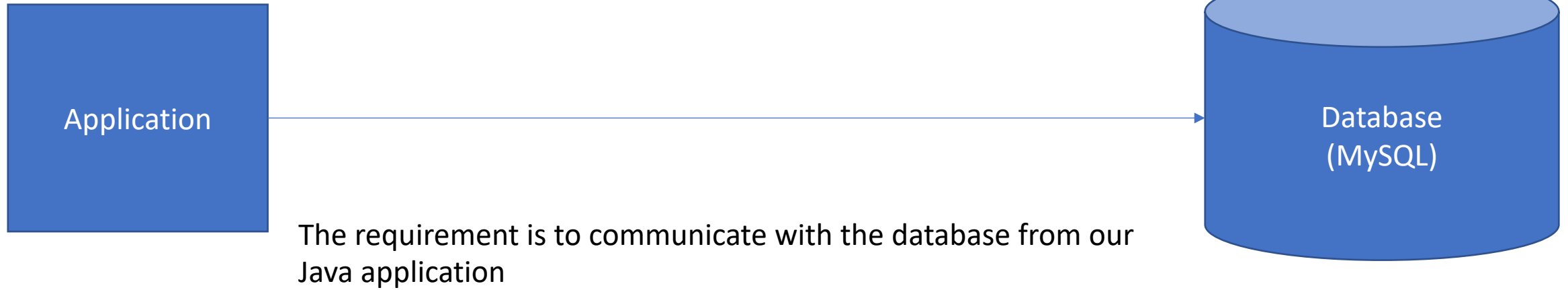


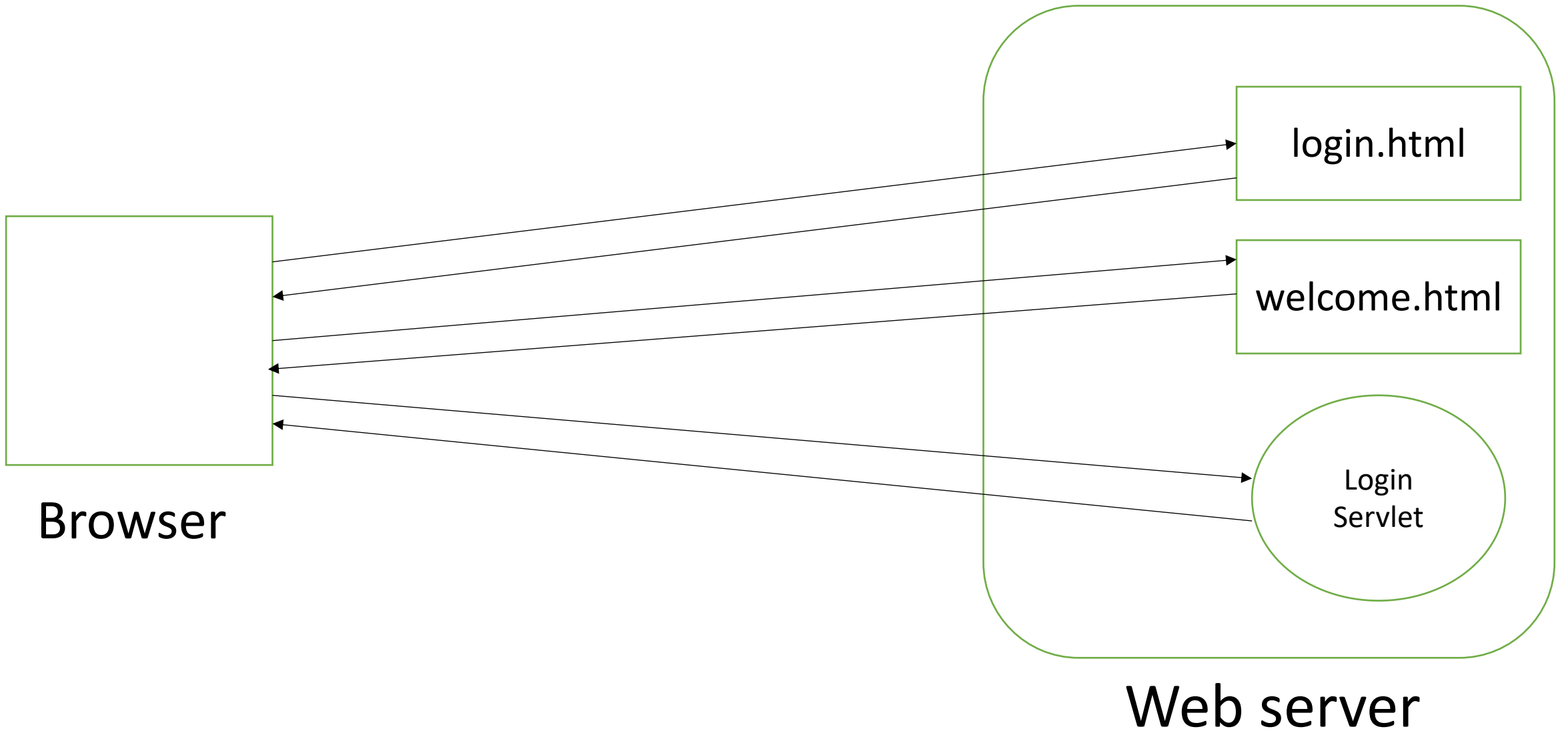
Examples on server side technologies

- servlet/jsp
- Asp
- Php
- Django/flask
- Node.js









JDBC

