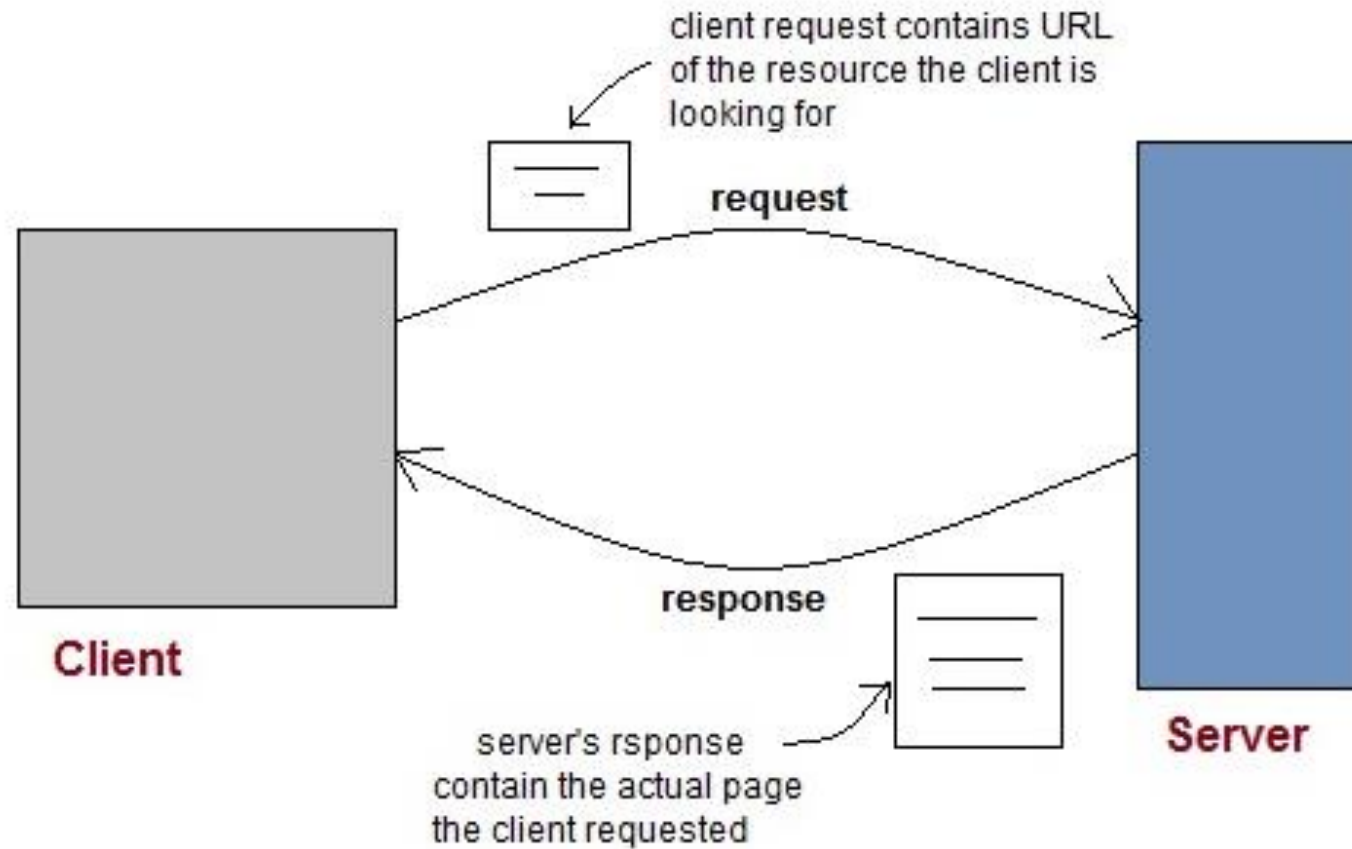


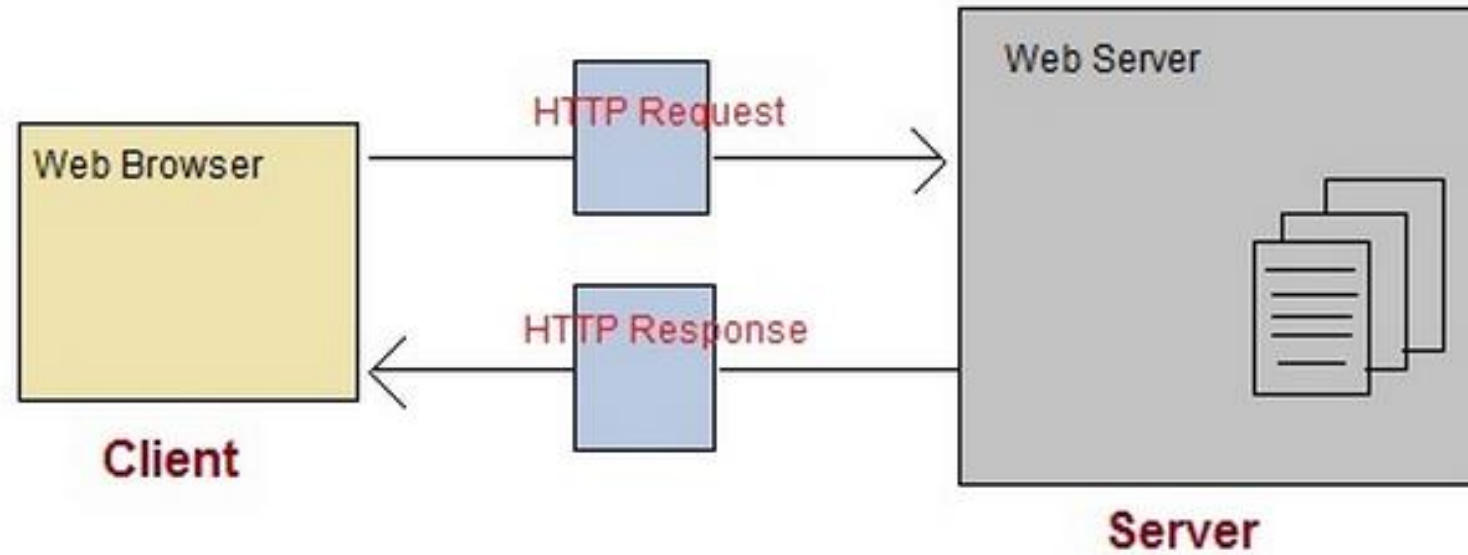
Servlet Concepts

Bob Singh

Simple Client Server interaction



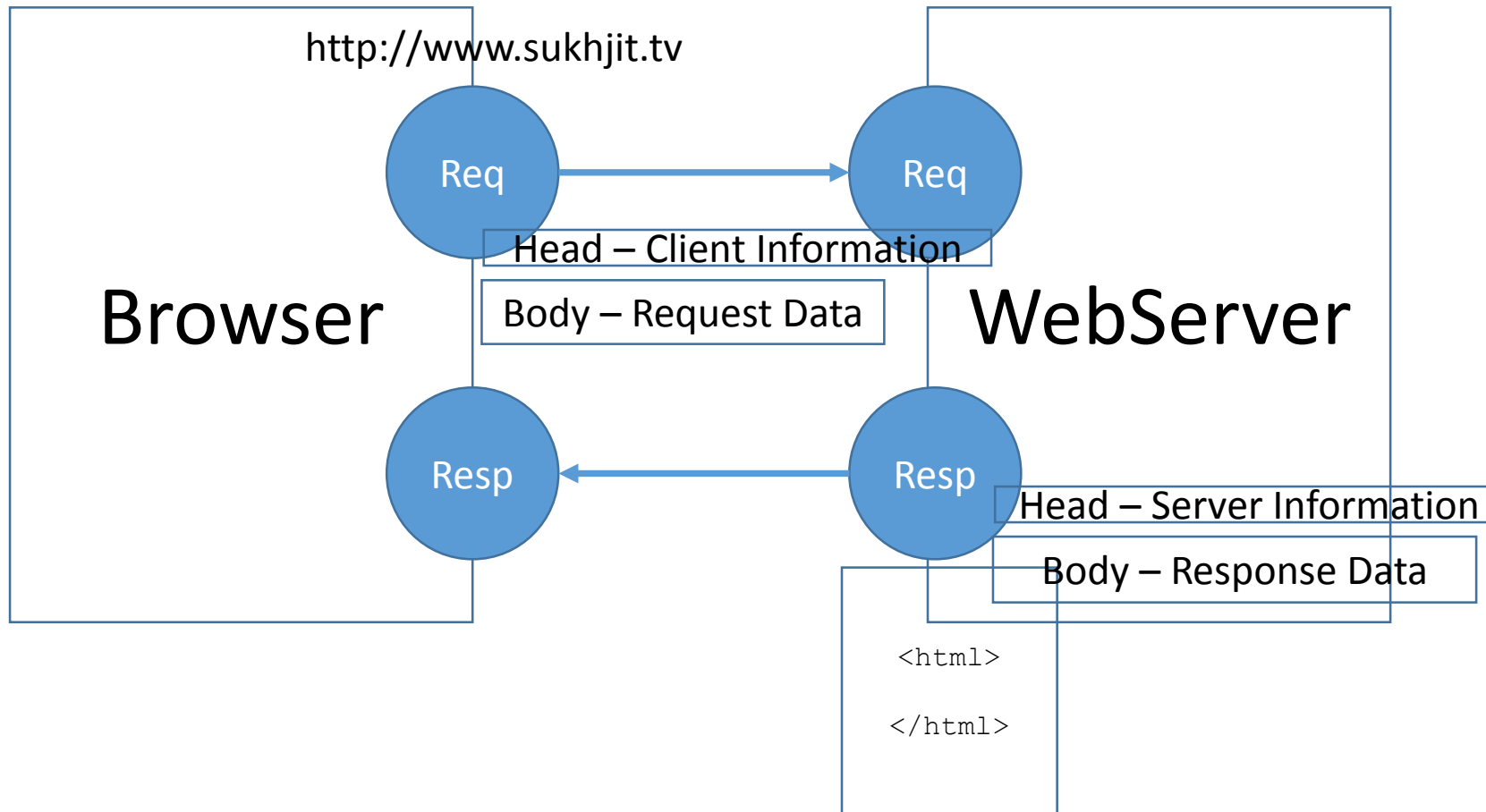
HTTP Interactions



HTTP Methods

| Method | Description |
|---------|--|
| OPTIONS | Request for communication options available on the request/response chain. |
| GET | Request to retrieve information from server |
| HEAD | Identical to GET except that it does not return a message-body, only the headers |
| POST | Request for server to accept the entity enclosed in the body of HTTP method. |
| DELETE | Request for the Server to delete the resource. |
| CONNECT | Reserved for use with a proxy that can switch to being a tunnel. |

GET Request



Difference between GET and POST

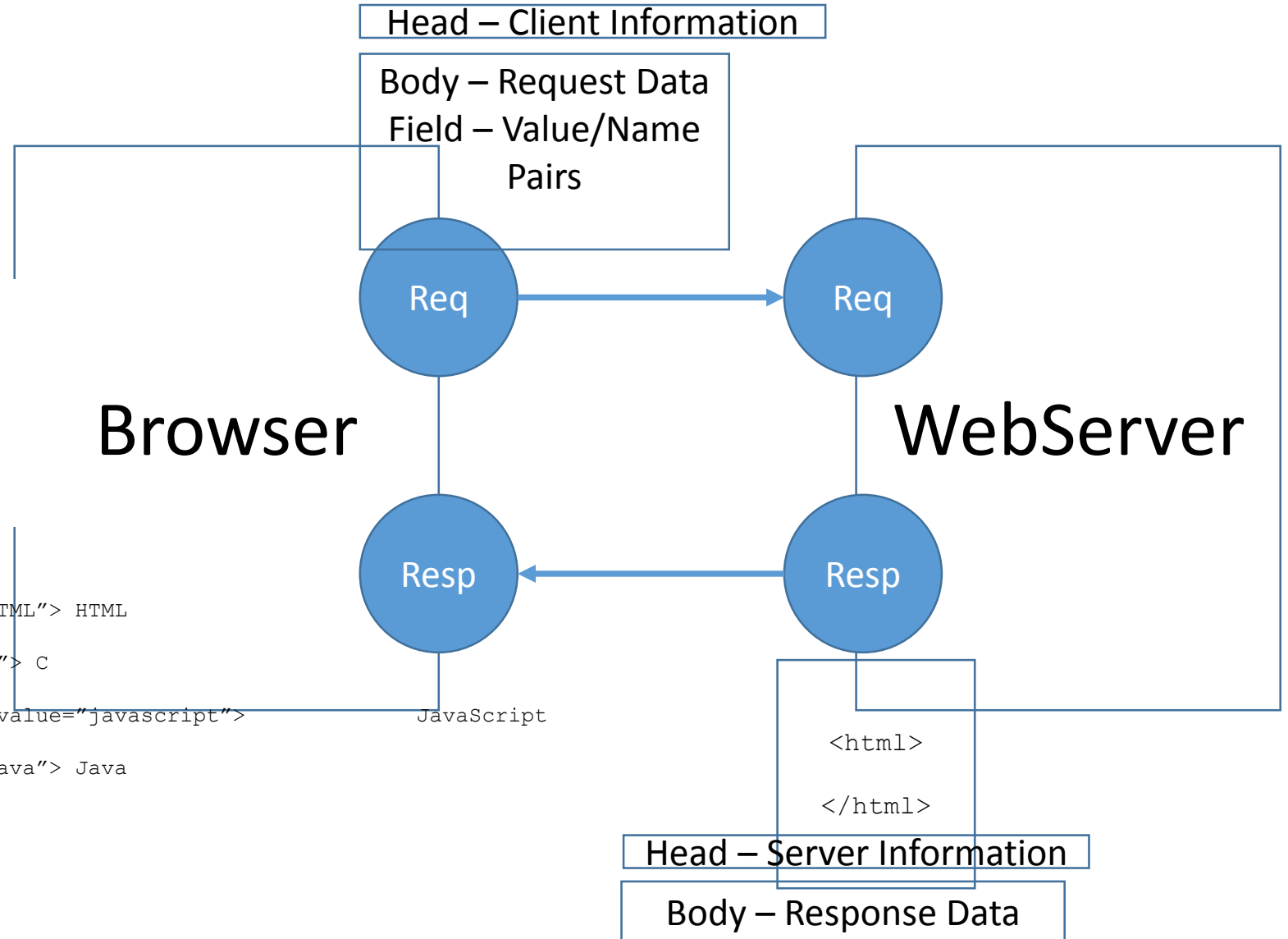
| GET Request | POST Request |
|---|---|
| Data is sent in header to the server | Data is sent in request body |
| Get request can send only limited amount of data | Large amount of data can be sent. |
| Get request is not secured because data is exposed in URL | Post request is secured because data is not exposed in URL. |
| Get request can be bookmarked. | Post request cannot be bookmarked. |
| Get request is more efficient | Post request is less efficient. |

POST Request

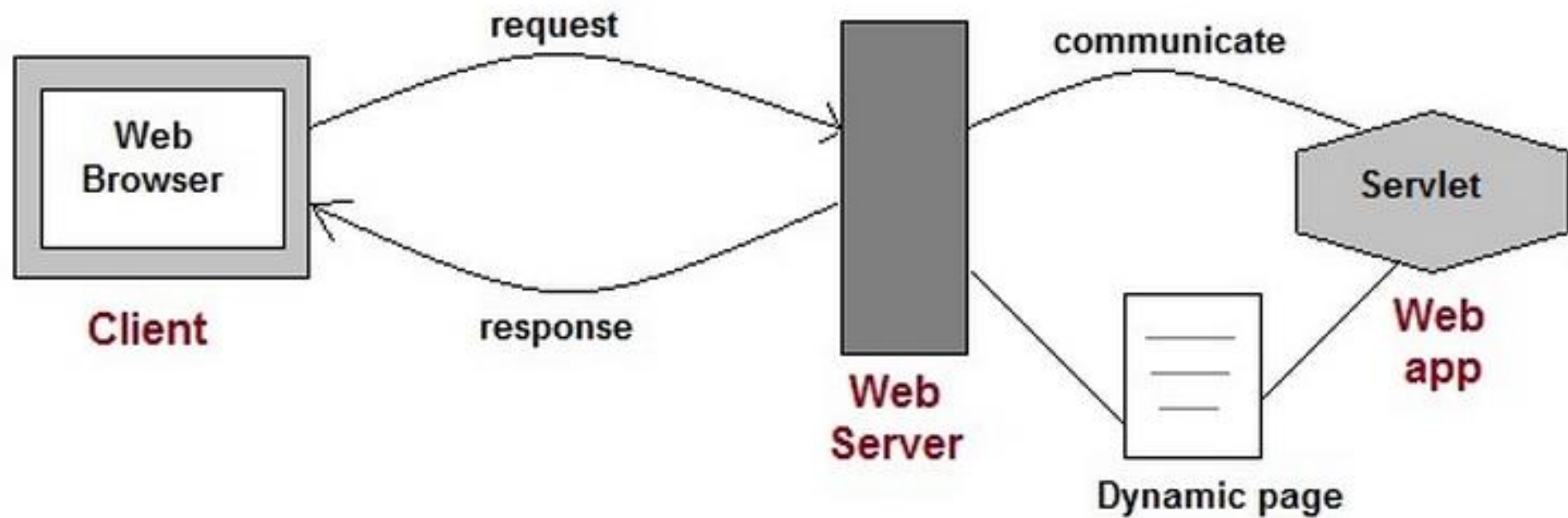
Which languages do you know?

- ☐ HTML
- ☐ C
- ☒ JavaScript
- ☐ Java

```
<form>
  Which languages do you know?
  <p>
    <input type=radio name=language value="HTML"> HTML
  <br>
    <input type=radio name=language value="C"> C
  <br>
    <input type=radio checked name=language value="javascript"> JavaScript
  <br>
    <input type=radio name=language value="java"> Java
  </p>
</form>
```

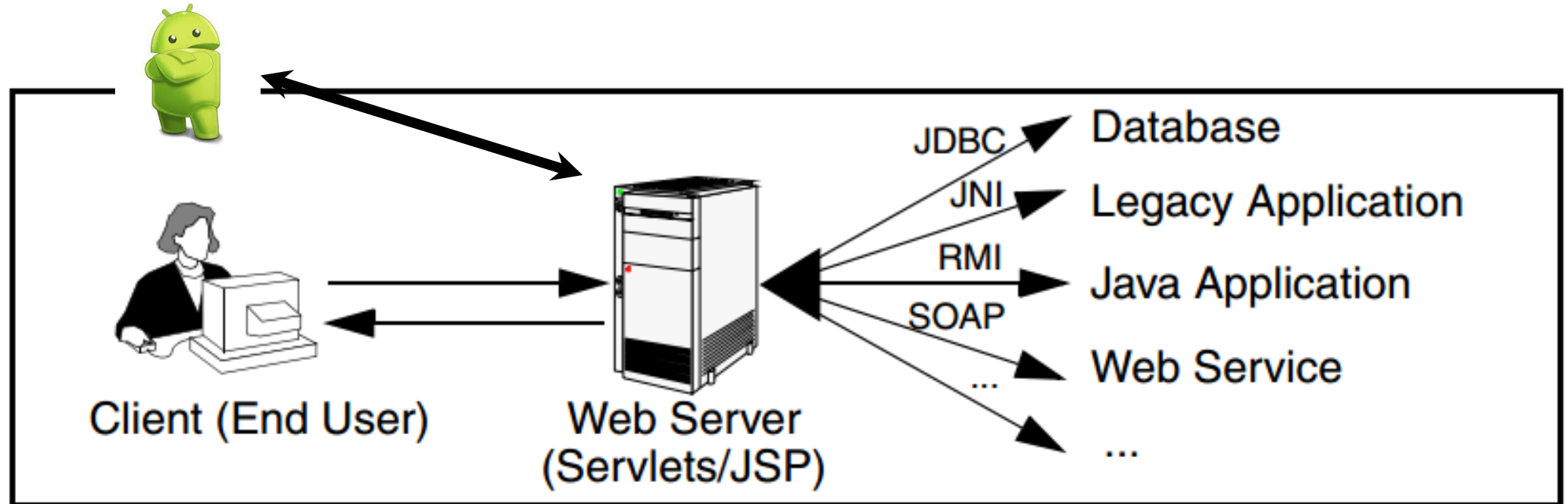


Servlets - Intro

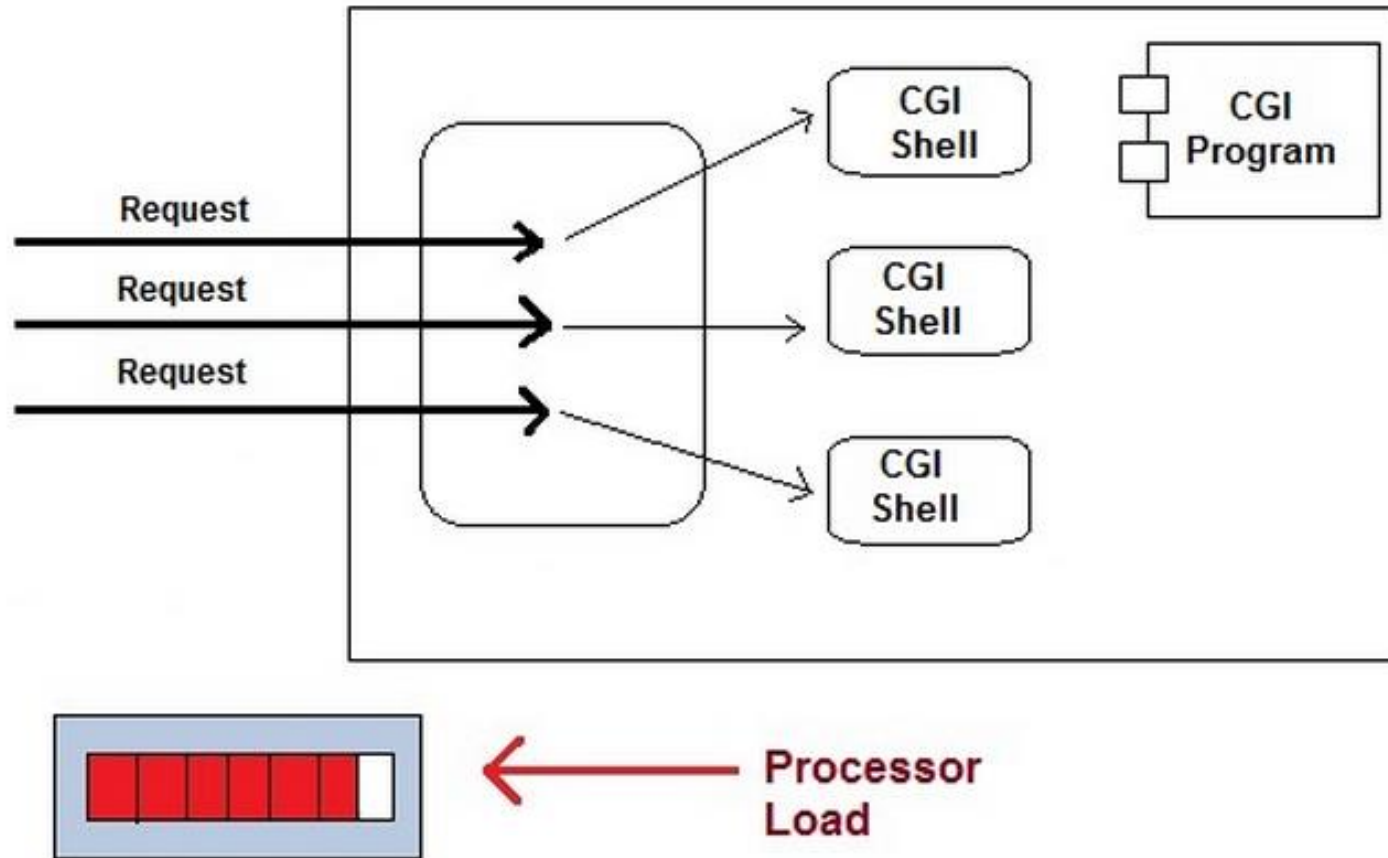


Servlet's Role

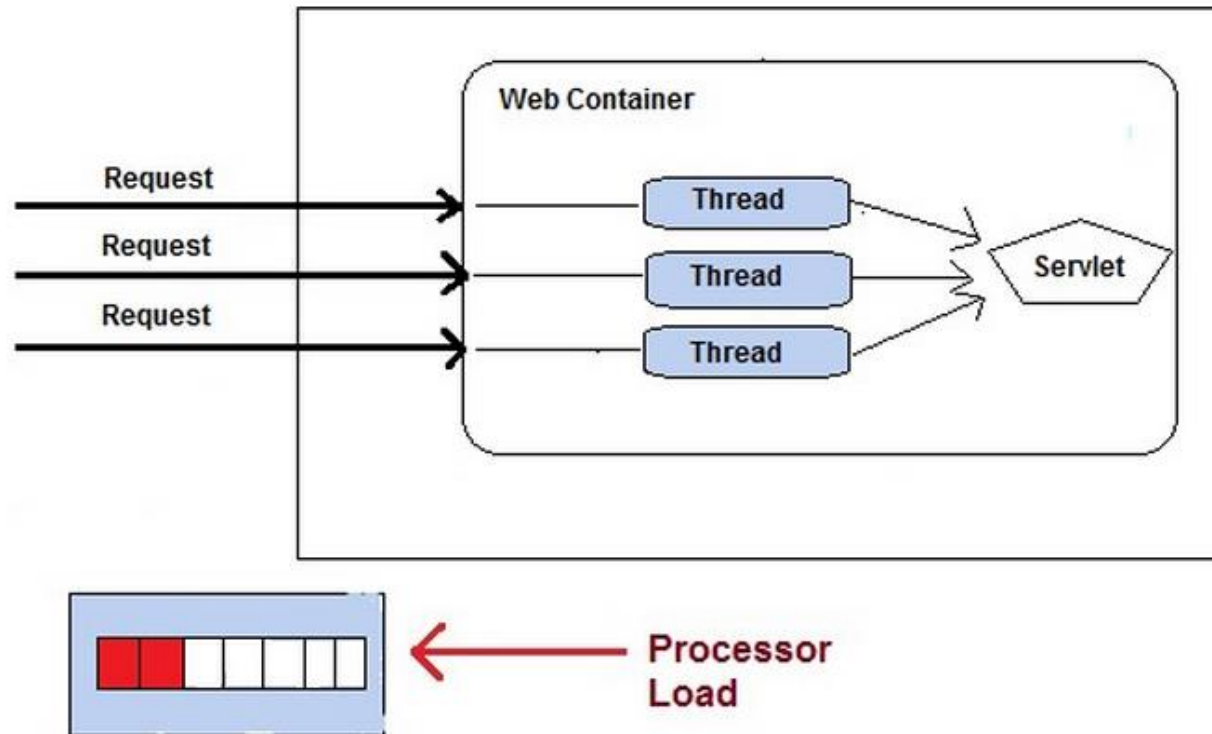
Mobile Apps



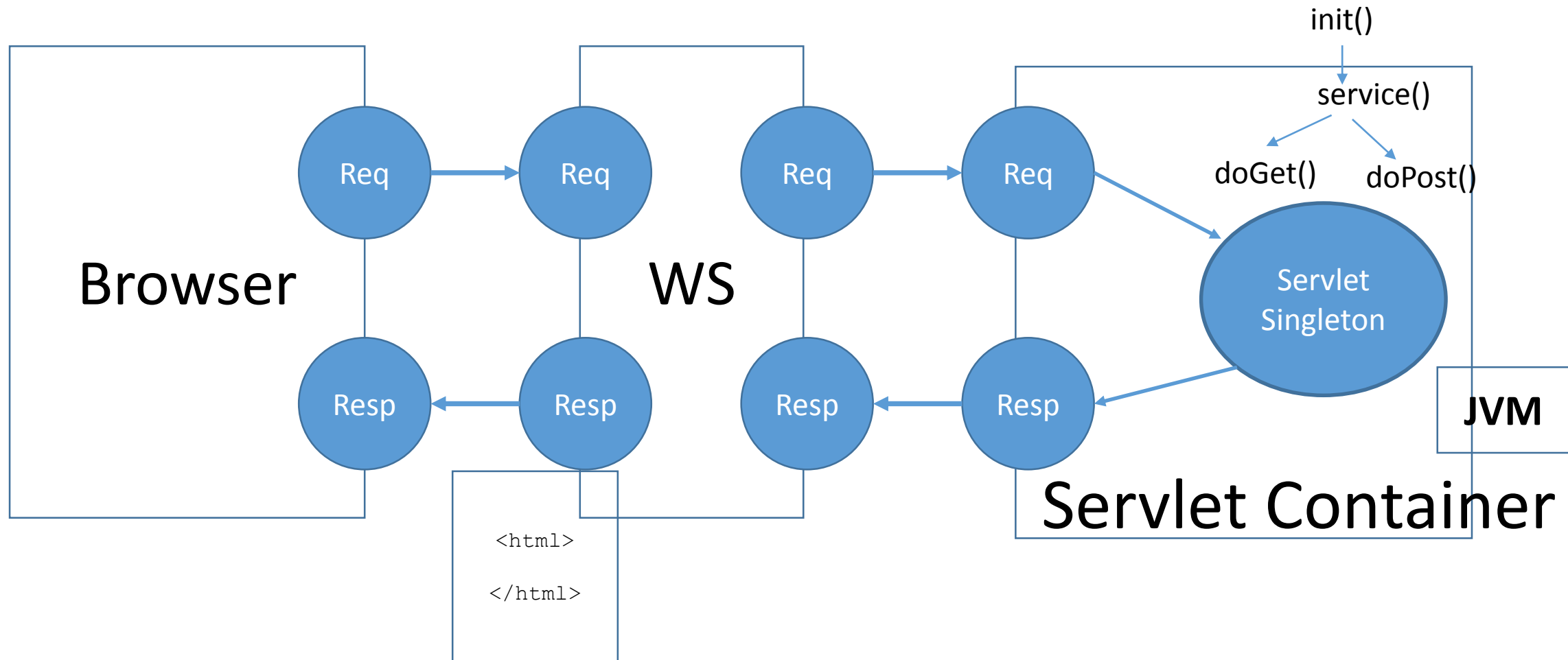
CGI in retrospect



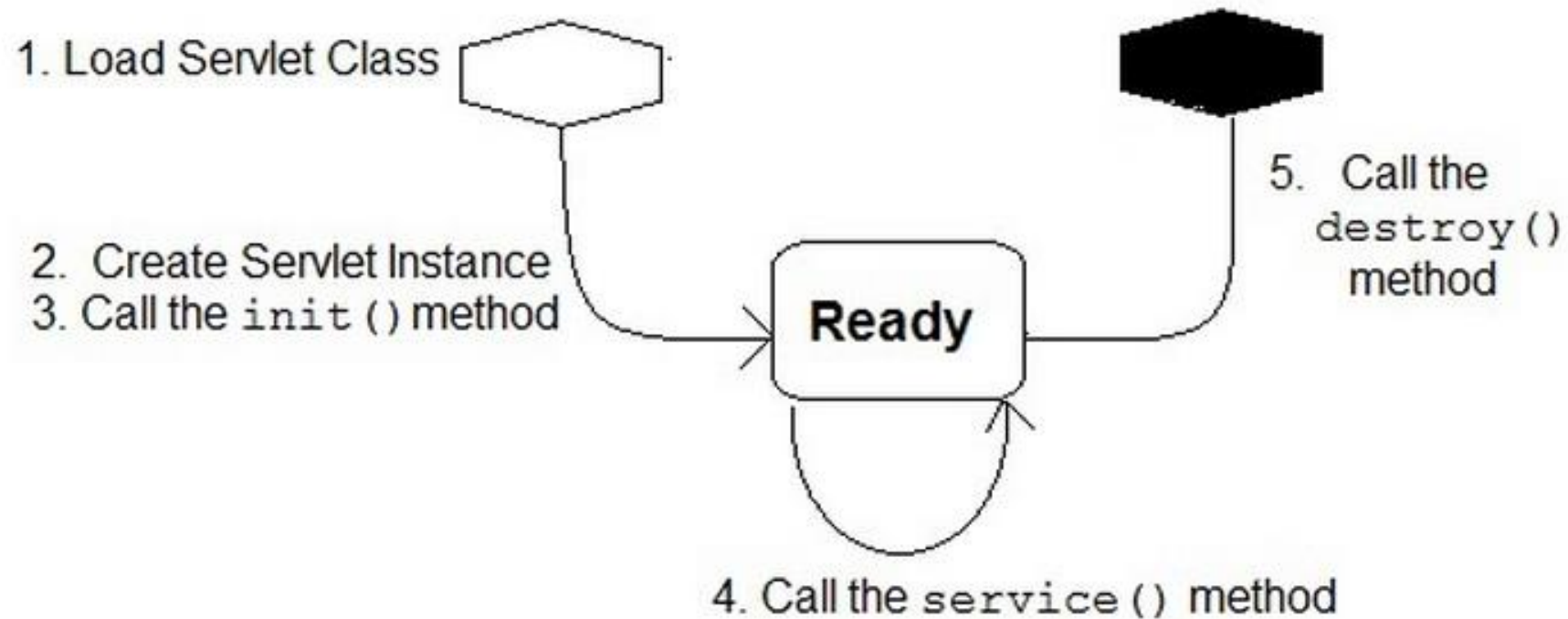
Servlet and Web Container



Servlet Processing

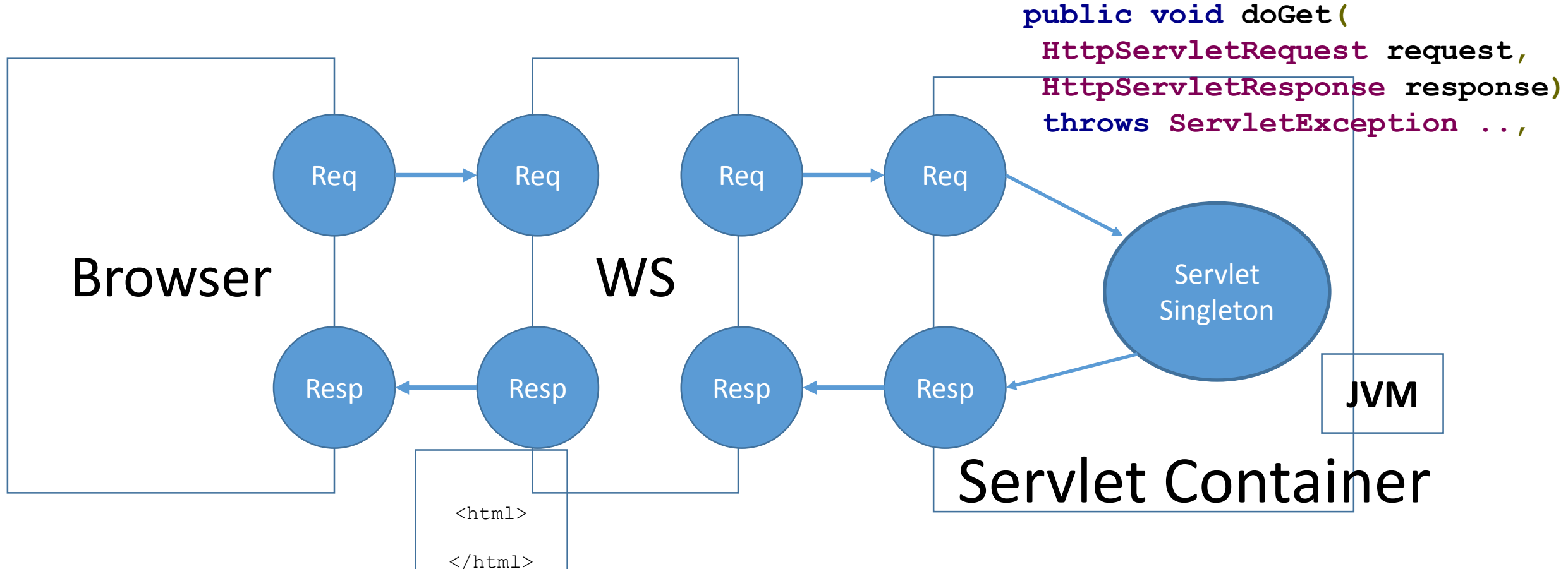


Servlet LifeCycle

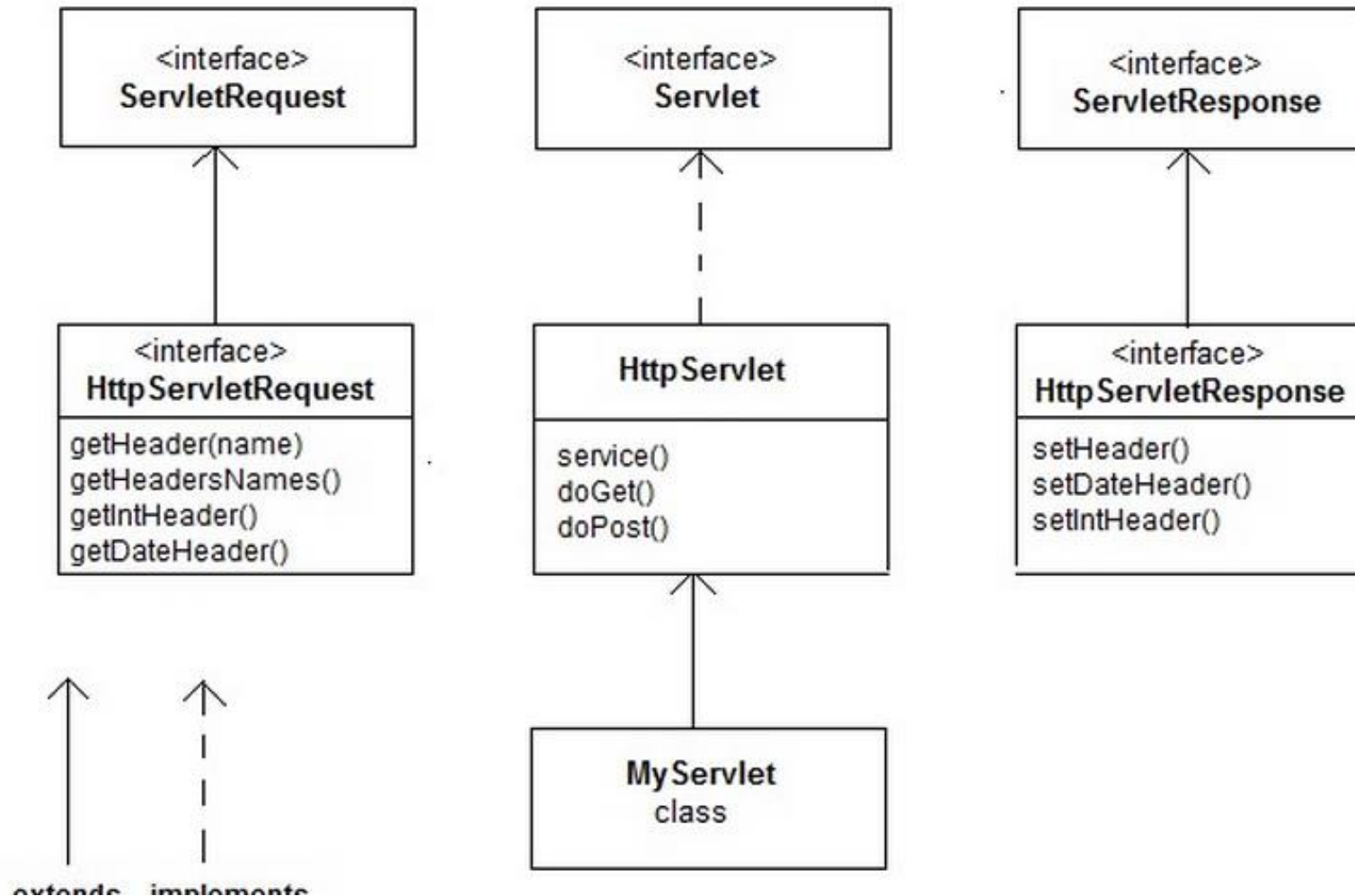


doGet()

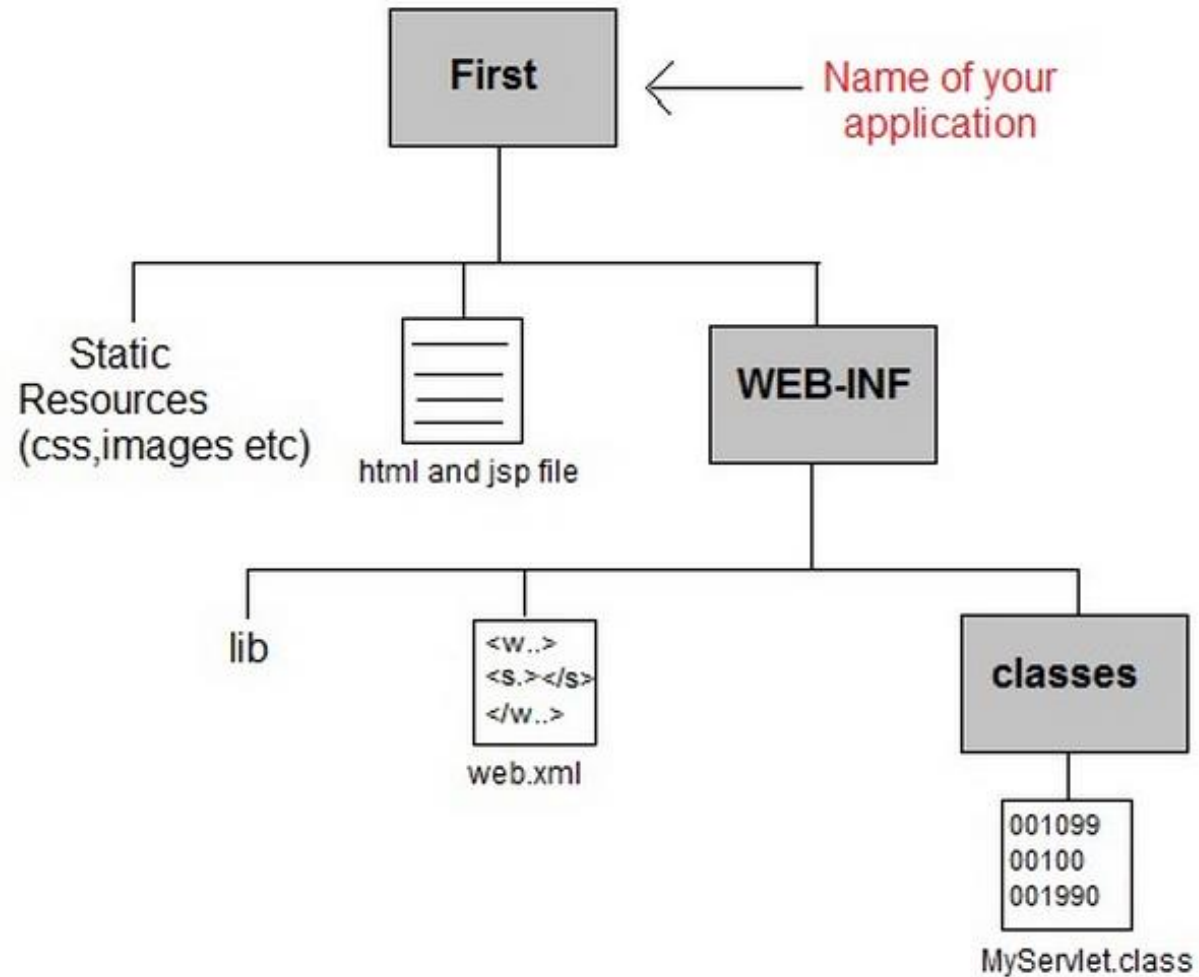
Servlet Processing



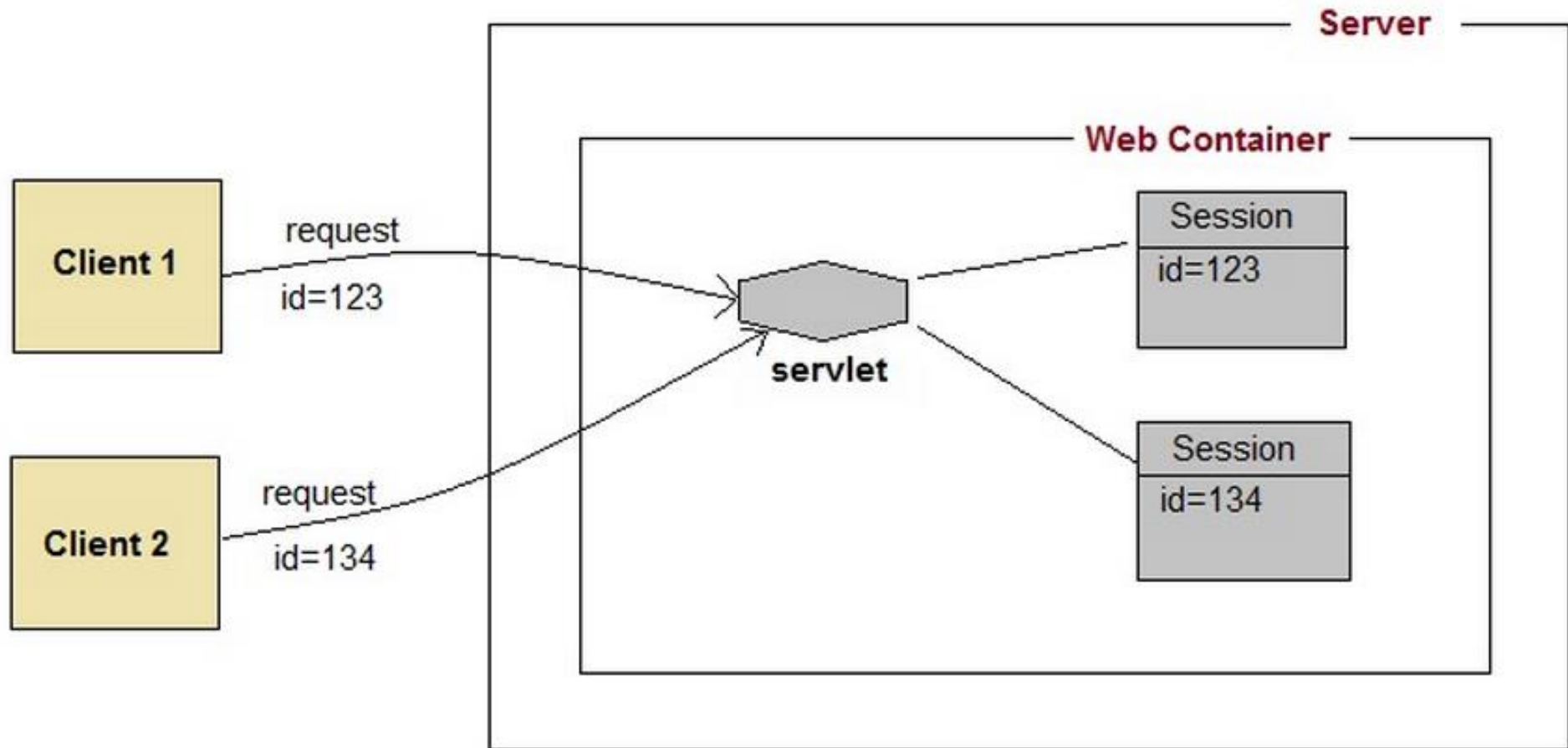
Servlet API



Steps in creating Web Application



httpSession



httpSession

