

## Details of methods of Servlet interface

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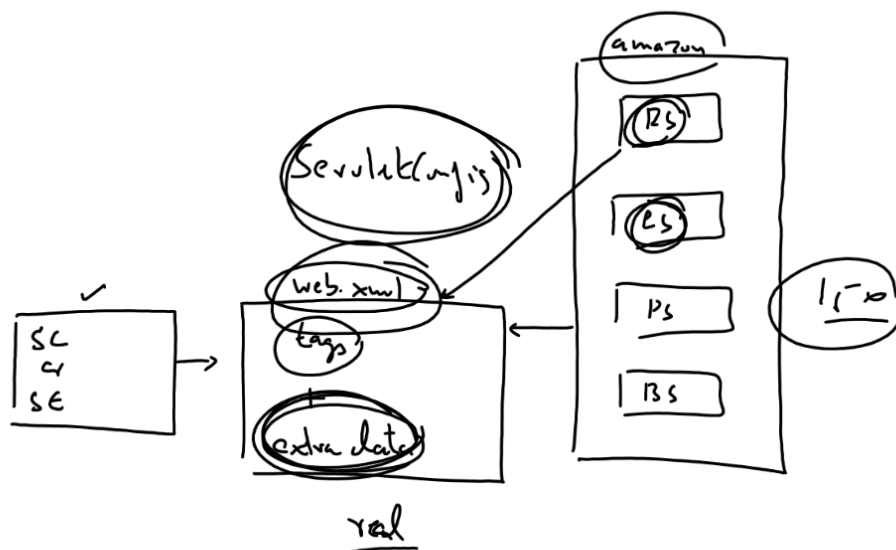
### 1. public String getServletInfo():

a) This method is overridden by programmers for returning some general information about their Servlet or web application like developer's name, application's name, purpose of the application or name of the company.

b) This method is called as soon as we start our web server.

c) Thus it has no relation to the browser request and is of least importance to the programmer.

### 2. public ServletConfig getServletConfig():



2. **public ServletConfig getServletConfig():**

- a) This method returns an object of the interface ServletConfig.
- b) Programmers use this object for reading some data or information from **web.xml**.
- c) This is because **INDUSTRY STANDARDS** strongly recommend that we should never store **hard coded strings** like Connection url, Database username, Database password, etc. in Servlet. Instead we should put them inside web.xml and whenever we need them in the Servlet, we can pull(read) them from web.xml using ServletConfig object.

3. **public void init(ServletConfig) throws ServletException :**

- a) This method is like constructor.
- b) This is because it is called only once in the life of a Servlet by **Servlet Container**.
- c) We override this method only when we want to write some Java code which needs to be executed only once like opening of DB connection or initialization of some counters, etc.

Constructor

4. **public void service(ServletRequest, ServletResponse) throws ServletException, IOException:**

a) This method is the **HEARTBEAT** of the Servlet.

b) It is executed on **every request** and thus we must override it for performing any activity which we want to perform on **each request**.

c) It receives **two arguments** sent by Servlet Container which are :

i) **ServletRequest** : This is an interface whose object holds all the request data send by the browser.

ii) **ServletResponse**: This is also an interface whose object allows us to send back any response or result to the browser.

So compared to **Core Java**, **ServletRequest** is like **Scanner** and **ServletResponse** is like **System.out.println()**.