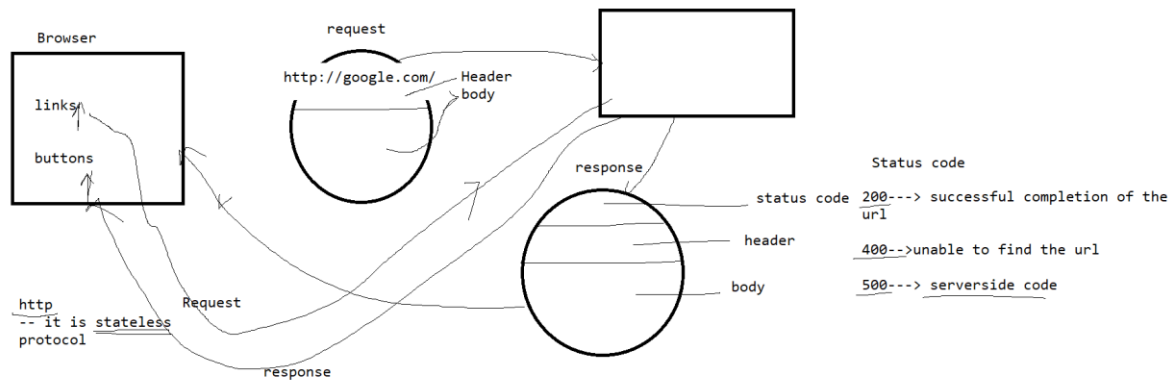
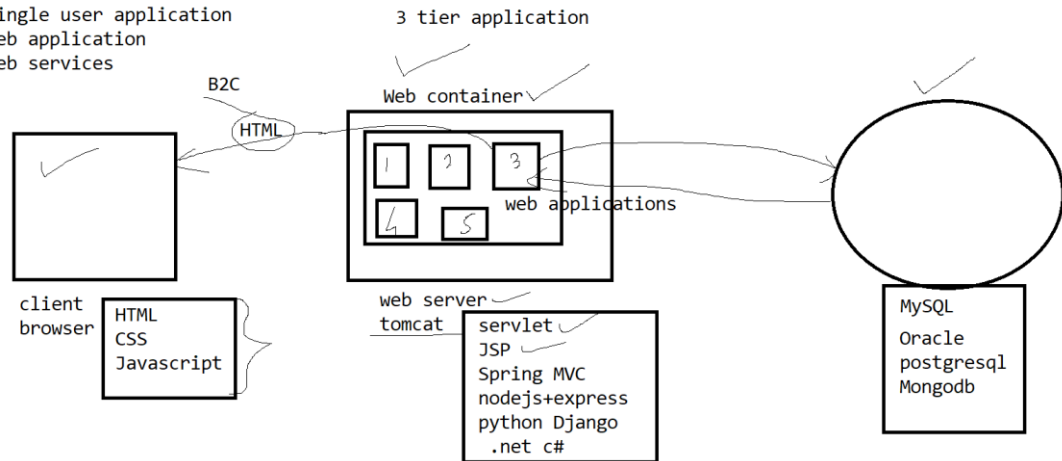
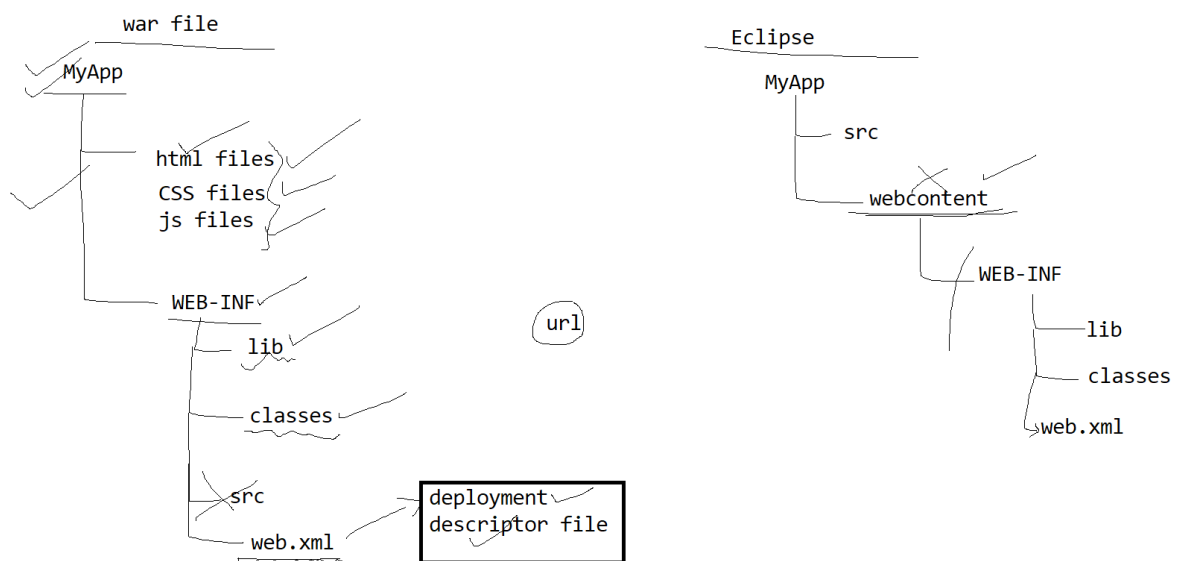


1. single user application
2. web application
3. web services



The web server we are using is tomcat server.



Servlet lifecycle

1. When servlet receives first request. Servlet class will get loaded in the memory. `init(ServletConfig config)` and `init()` method will get called. This method is responsible for initialization of servlet.
It gets executed only once in the servlet lifetime.
2. Request and response object will get generated.
3. Then request will be transfer to the method service, it accepts Request and Response object as a parameter. It checks the request method is get or post, based on it the `doGet` or `doPost` Method will be called.
4. When second request will be received by the application. This request will be send to service method and then it will be transferred to `doGet` or `doPost`.
5. When Third request will be received by the application. This request will be send to service method and then it will be transferred to `doGet` or `doPost`.
6. But when we shutdown the server, or if we undeployed the servlet, then `destroy` method of the servlet will be called. This method also gets executed only once in the lifetime.

In web application 4 objects are important

1. Request → this object will get created one for every request
2. Response → this object gets created for every request
3. ServletConfig → When Servlet gets loaded in the memory it creates ServletConfig. this object is there one for every servlet.
4. ServletContext → this object will get created when you deploy the application on the server
There will be only one ServletContext object will be there.