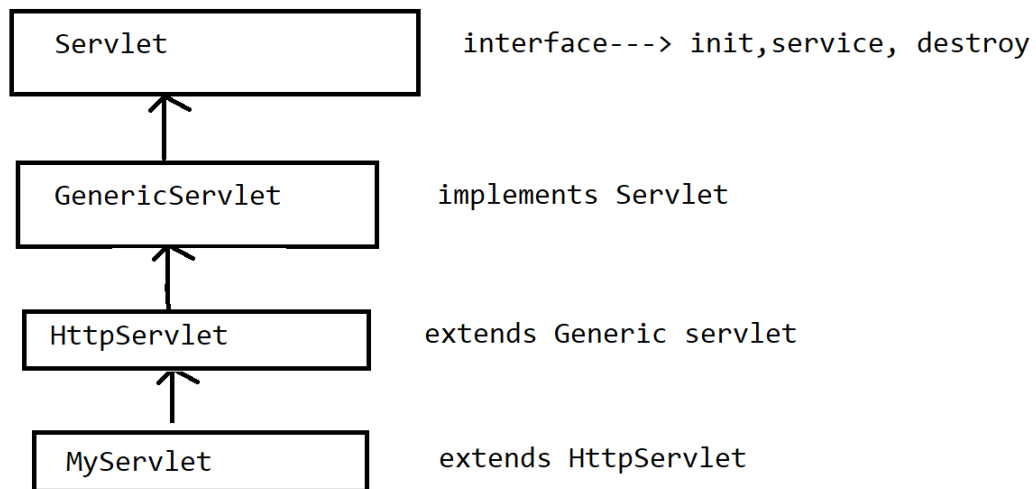


To create a servlet, create a class and make it a child of HttpServlet



There are 3 life cycle methods

1. `init(ServletContext context)`
`init()`
->init method is called only once in lifetime of servlet
2. `Service(ServletRequest request,ServletResponse response)`
->service method is called once for each request
3. `destroy()`
->destroy method is called only once in lifetime of servlet

Lifecycle of servlet

1. When the first request is received by servlet, it gets loaded in the memory, `init(ServletConfig config)` gets called, and then this init method calls overloaded `init()` method
2. Request and response object will get created and it will be passed to service method, which in turn will call `doGet` or `doPost` method and sends the response to the client
3. When it receives second request, request and response object will get created and it will be passed to service method, which in turn will call `doGet` or `doPost` method and sends the response to the client
4. When it receives third request, request and response object will get created and it will be passed to service method, which in turn will call `doGet` or `doPost` method and sends the response to the client
5. All the requests will be handled by service method
6. When server shuts down, or we undeployed the servlet for maintenance purpose, then `destroy` method will get called

Init and destroy methods get called only once in lifetime of the servlet

In any web application following are important objects

request → HttpServletRequest	It is used to get information from client, The data you want to remember till response goes to client, then keep the data in request object
response → HttpServletResponse	It is used to send the data to the client
ServletConfig	It is used to configure the servlet, there is one configuration object for each servlet
ServletContext	It is a context object used to store application-level data, There is only one context object for each project If you want to remember data, even after client logs out, and you need to store data on the server, then use ServletContext object
HttpSession	When user logs in and uses application and then user logs out, is called one session, and there on session object for each session If you want to remember data, even after response goes to client and till client logs out, and you need to store data on the server, then use HttpSession object
Cookie	If you want to remember data, even after response goes to client and till client logs out or after the session is over , and you need to store data on the clients machine, then use Cookie object

create table person(

- > id int auto_increment primary key,
- > fname varchar(20),
- > lname varchar(20),
- > gender varchar(10),
- > degree varchar(20),
- > city varchar(20),
- > skills varchar(30));