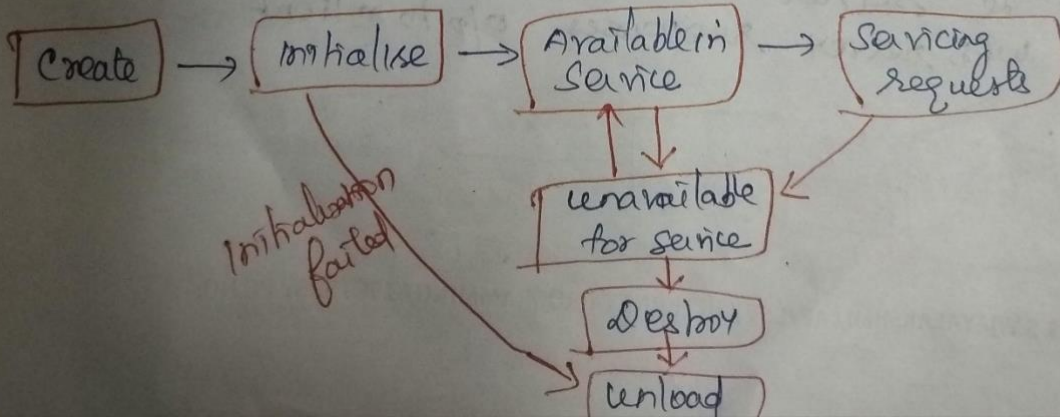
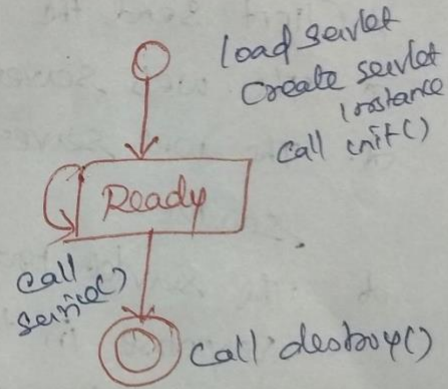
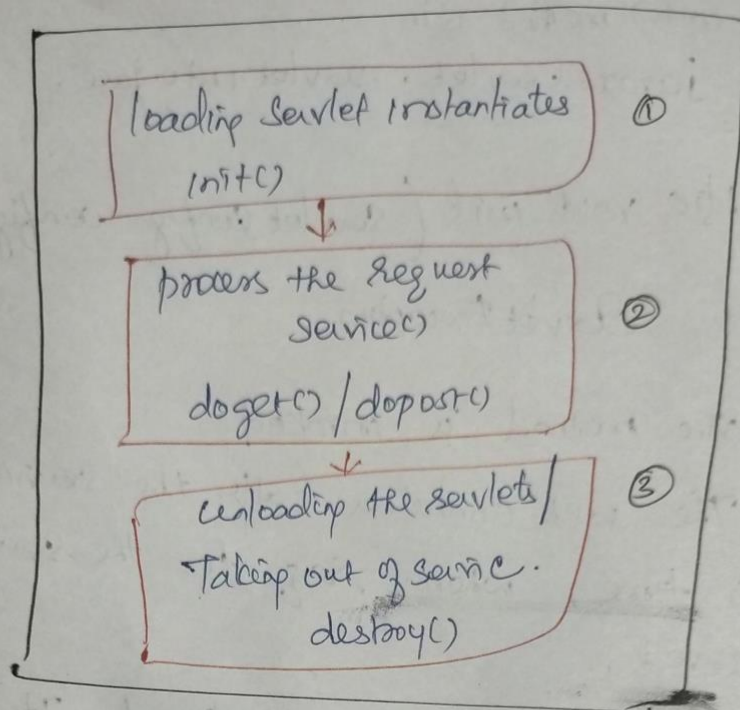


Life cycle of a servlet

The web container maintains the life cycle of a Servlet

1. Servlet class is loaded
2. Servlet instance is created
3. Init method is invoked
4. Service method is invoked
5. Destroy method is invoked





① Servlet class is loaded

① The class loader is responsible to load the servlet class.

② the servlet class is loaded when the first request for the servlet is received by the web container

② Servlet instance is created

① The web container creates the instance of a servlet after loading servlet class. The servlet instance is created, only once in the servlet life cycle.

③ init method is invoked

The web container calls the init method only once after creating the servlet instance.

init() method is in
javax.servlet.Servlet interface.

```
public void init (ServletConfig config) throws  
ServletException
```

④ Service method is invoked

The web container calls the service method each time, when req. for the Servlet is received.

If Servlet not initialised, it follows above 3 steps.

```
public void service (ServletRequest req, ServletResponse  
resp) throws  
ServletException, IOException
```

⑤ destroy method invoked

The web container calls the destroy method before removing the Servlet instance from the service.

```
public void destroy()
```

