Servlet Life cycle in detail (IMPORTANT) managed by WC @ Web server start up: WC starts up -- creates thread pool (based upon exec frmwork) core size n max size of the thrd pool -- will be as per the default OR can be configured from xml config files(eg : server.xml) @ web app dep time : 1. WC creates the instance of ServletContext per web app ServletContext: (i/f) --> imple class instance (i/f ---> servlet-api.jar) n imple classes: Tomcat --catalina.jar Represents: ENTIRE web app 2. Prepares servlet url map Key: url-pattern Value: F.Q servlet cls name eg: @WebServlet("/test") public class MyServlet extends HttpServlet {....} Entry: key: /test n value: pages.MyServlet WC checks for load-on-startup load-on-startup: not load-on-startup > 0 => Eager init => starts servlet specified(=-1) => lazy init. life cycle @ web app dep time : init seq begins WC waits for 1st request from 1. Loads servlet class (server side method area) any clnt --then start the life 2. Creates servlet instance : server side heap cycle(exec SAME init seq) using def ctor. 3. WC creates ServletConfig instance, populates it with init-params . 4. Invokes public void init() throws ServletException (WC implicitly passes ServletConfig obj to the init) req processing or service success: Failure (i.e throws continues with the life phase ServleExc) cycle WC aborts servlet life cycle WC simply pools out existing idle thread ---> run --> invokes public clnts sending requests ---> service(rg,rs)---> proted service(HttpServletReg,HttpServletResp) --> dispatches req --> doXXX --> {servicing logic} doXXX rets --> service rets --> run ---> pooled out thrd simply rets to the pool (so that SAME thread can service further regs) WC invokes public void destroy() (mainly used for cleaning up of resources) Then WC marks servlet instance for GC --ending servlet life cycle Triggers for destroy 1. server shut down 2. web app re loaded OR 3. web app un deployed