

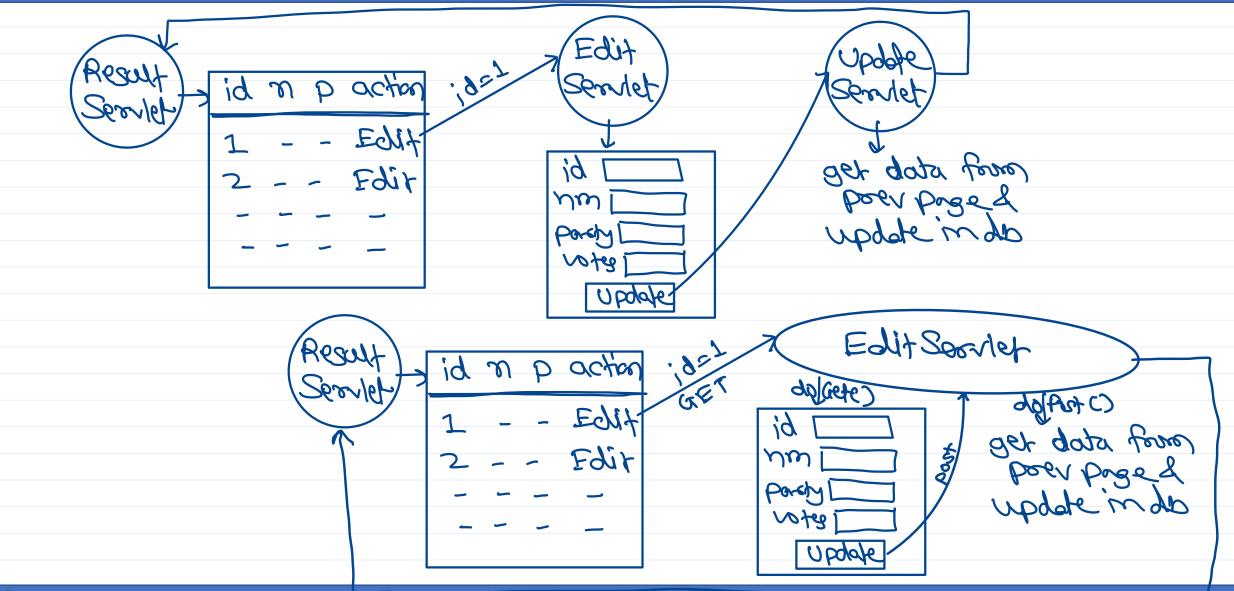


#### Advanced Java

Trainer: Nilesh Ghule



#### Edit record





### **JSP**

JSP is outdated.

Servlets = business logic\* + presentation logic

JSPs = presentation logic\* + business logic

JSP is translated into Servlet while execution.

1) JSP syntax (other than markup)

@<%.@ ....%> > directives >> Page, include, taglib

(b) <:/! ... :/> → declaration
(b) <i/li>
isp Init(), jsp Destroy (), Relde,...

C 
∴ /> > Scriptlet
b java statements - reg. handling

@ <1. -- ... --1/> > expression

by java expression - req. handling

by output added to resp directly.

Comput added to resp directly.

variables available in reg nandling stage.
internally-local vars at -jspService() method.

@ request: HttpServlet Request

(B) response: Http Servlet Response

@ config: Servlet Config

(1) Session: HttpSession

@ application: Servlet Context

(F) page: Object (this pointer)

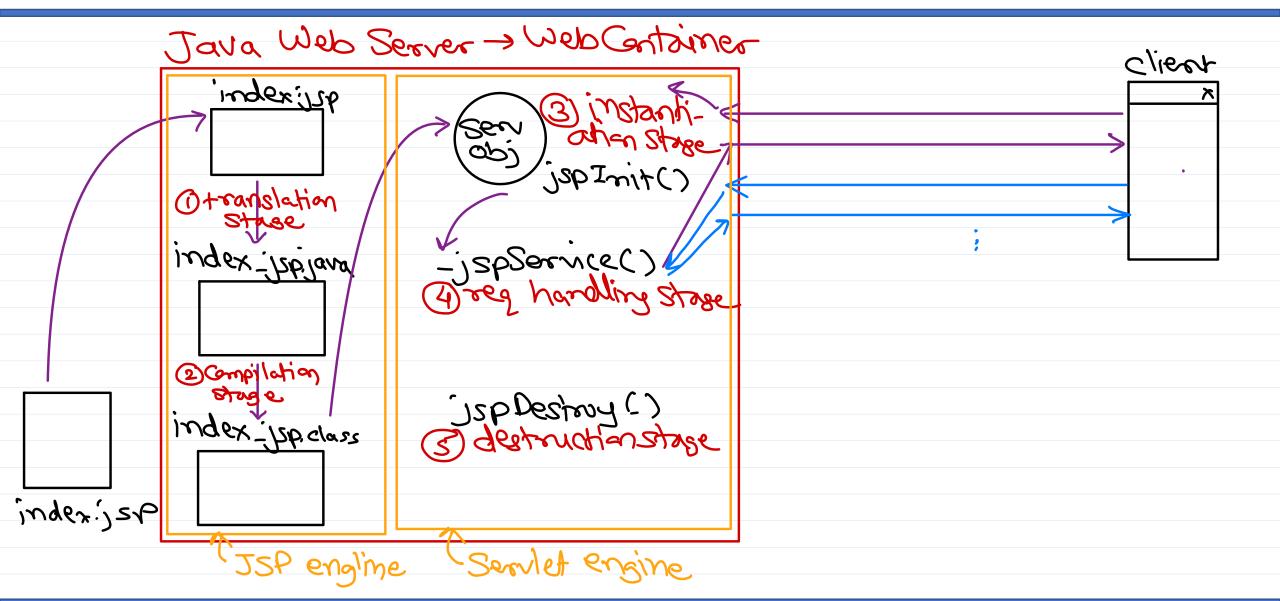
@ paseContext: Page Context

(h) out: JapWriter

exception: Throwables avoid only in err pages.



# JSP Life Cycle





### **JSP**

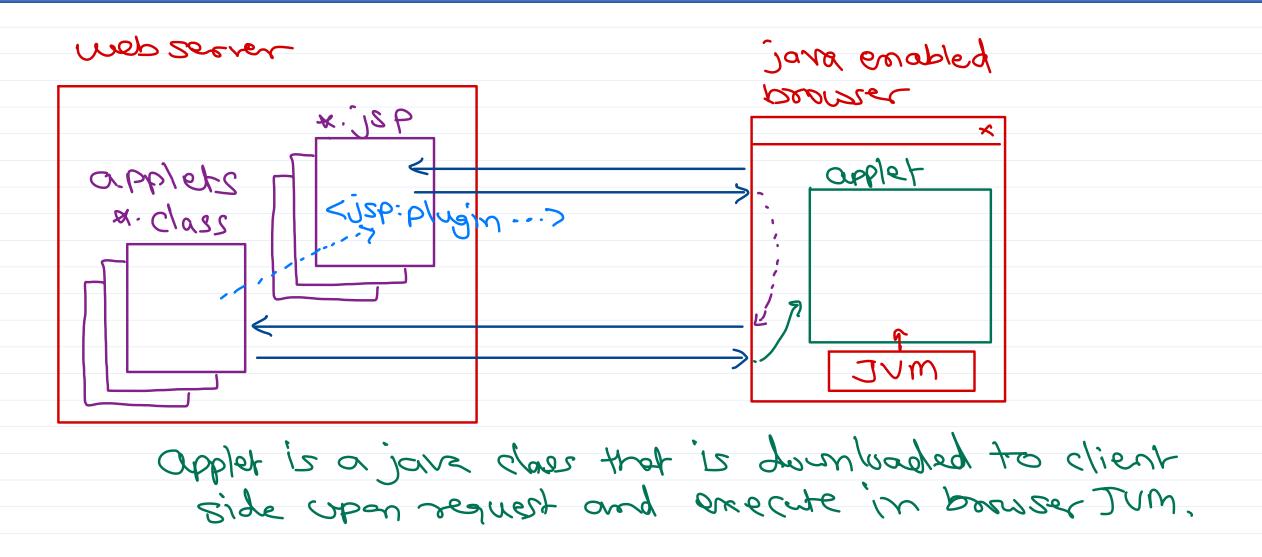
JSP file should have presentation logic i.e. markup syntax (tags).

Ideal ISP do not have any java code in it (i.e. scriptlets or expression).

To reduce scriptlets from JSP Pages:

- 1) JSP standard actions
- 2 Java beans
- 3 JSP EL
- 4 JSTL togs
- (\$) Custom tags





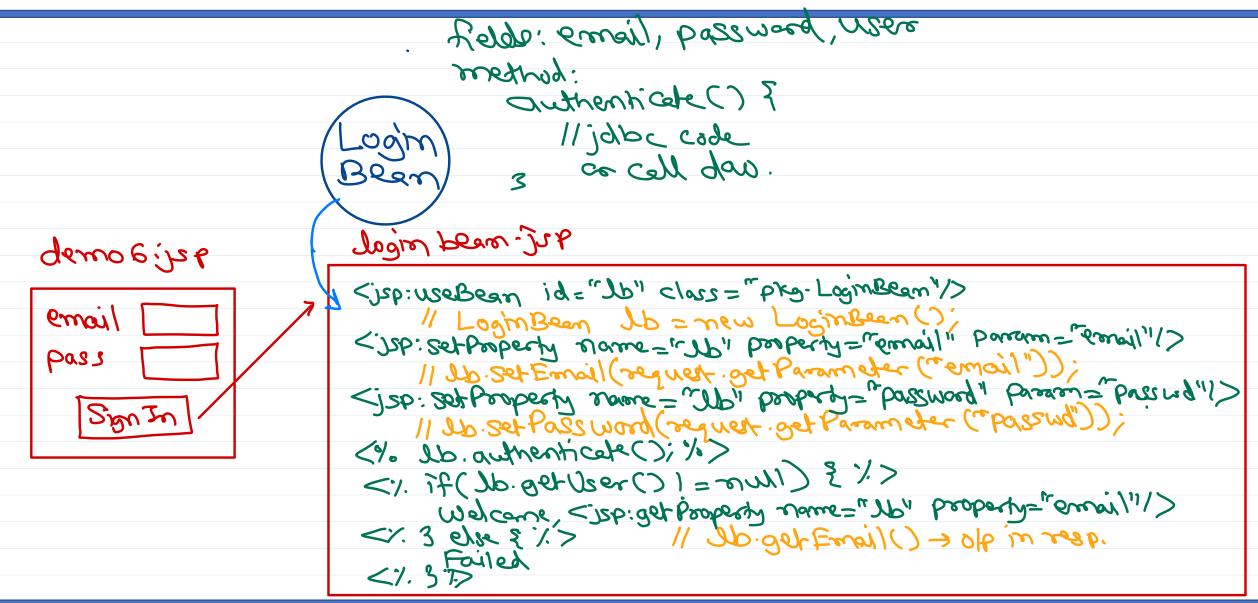


#### Java Beans

Java Bean = fields + ctoo + getter better + primer podic sustand 3. Adds , colcres 15P COLCISP enant ( jetonte Lisp: useBean id="cb" (Calc ກາ: class = "pkg. CalcBean"/> seroff 3 ontbops Ob. 7 (Bean) Sethooberly wome=CP,1 **ຠ**2: spoutsour 5 R&: .... = Ctor (param less) beobered = wany, bases = wany 9 etters setters <isp; set Pooperty name="cb" 3 () Stownlos bion Use been in Java beoberet = "enness", boredus = "enness")> Psuedo code <isp: Set Property name = "Cb" Calc Bean cb= new Calc Bean (); beoberth = nobin based = nobin > CD. 26+ young (sed . dot bacacastere ( some 1,))! field name 2 reg param name CD. SEt Mun2 (seg. get Parameter (" num2")); <1. cb. calculate();1.) CD. 26+Ob (sed 'dot bacaceretere ( ob ")); <726: 304 barberth Name= CP, Cb. Calculate(); beoberth= "rearty"/> print In (cb. getResult ());

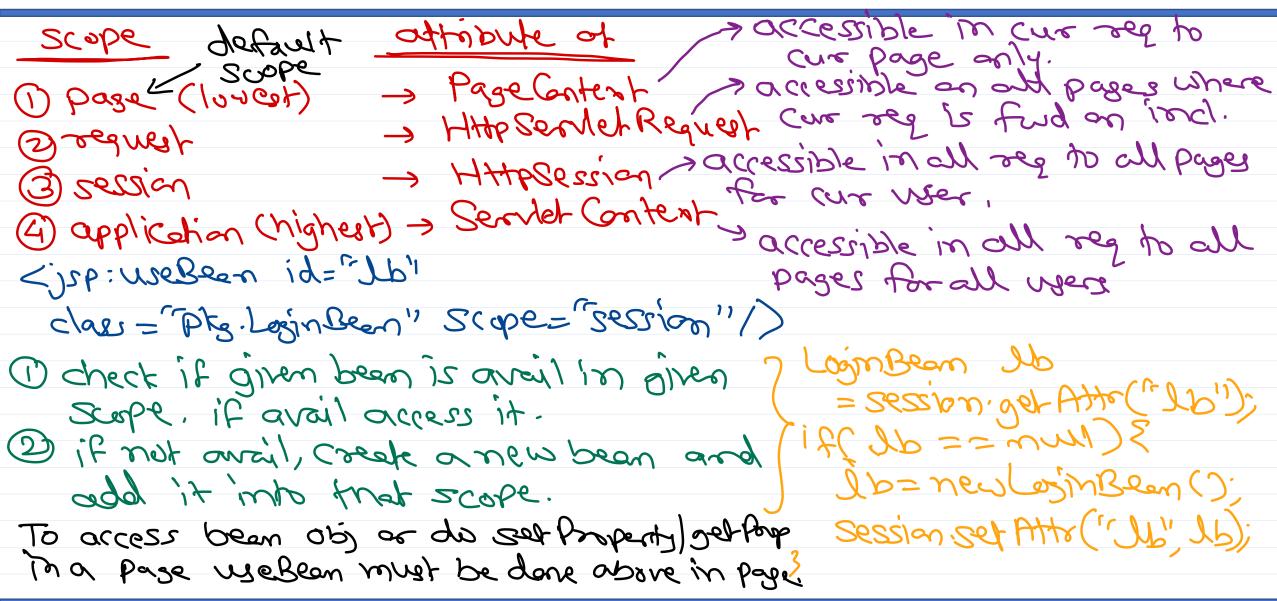


#### Java Beans



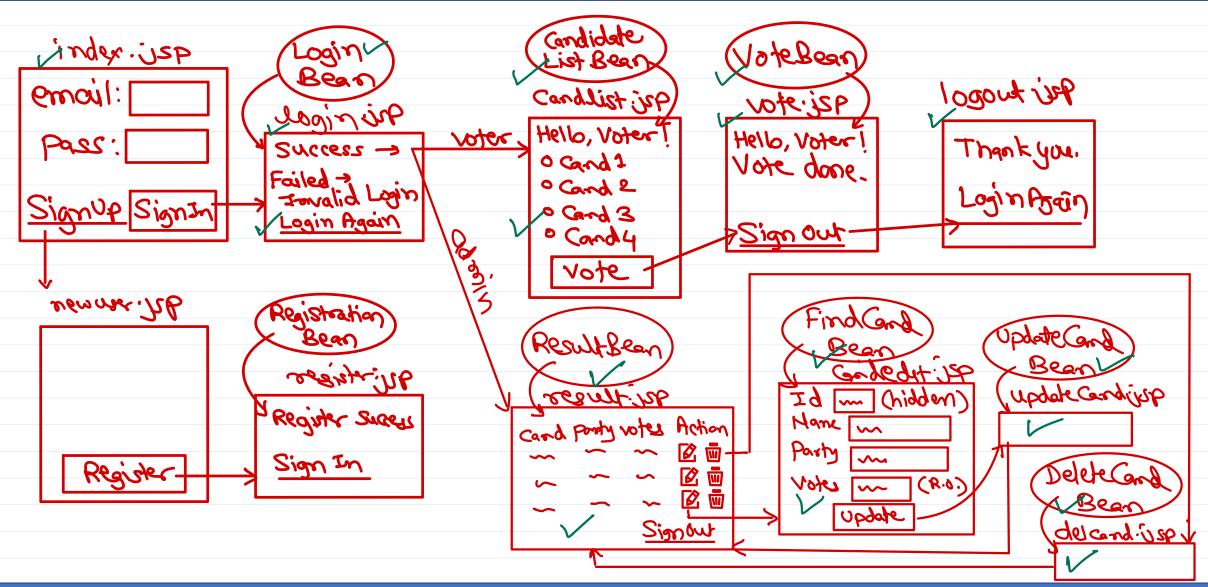


## Java Bean Scopes





## **Election Management**







Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

