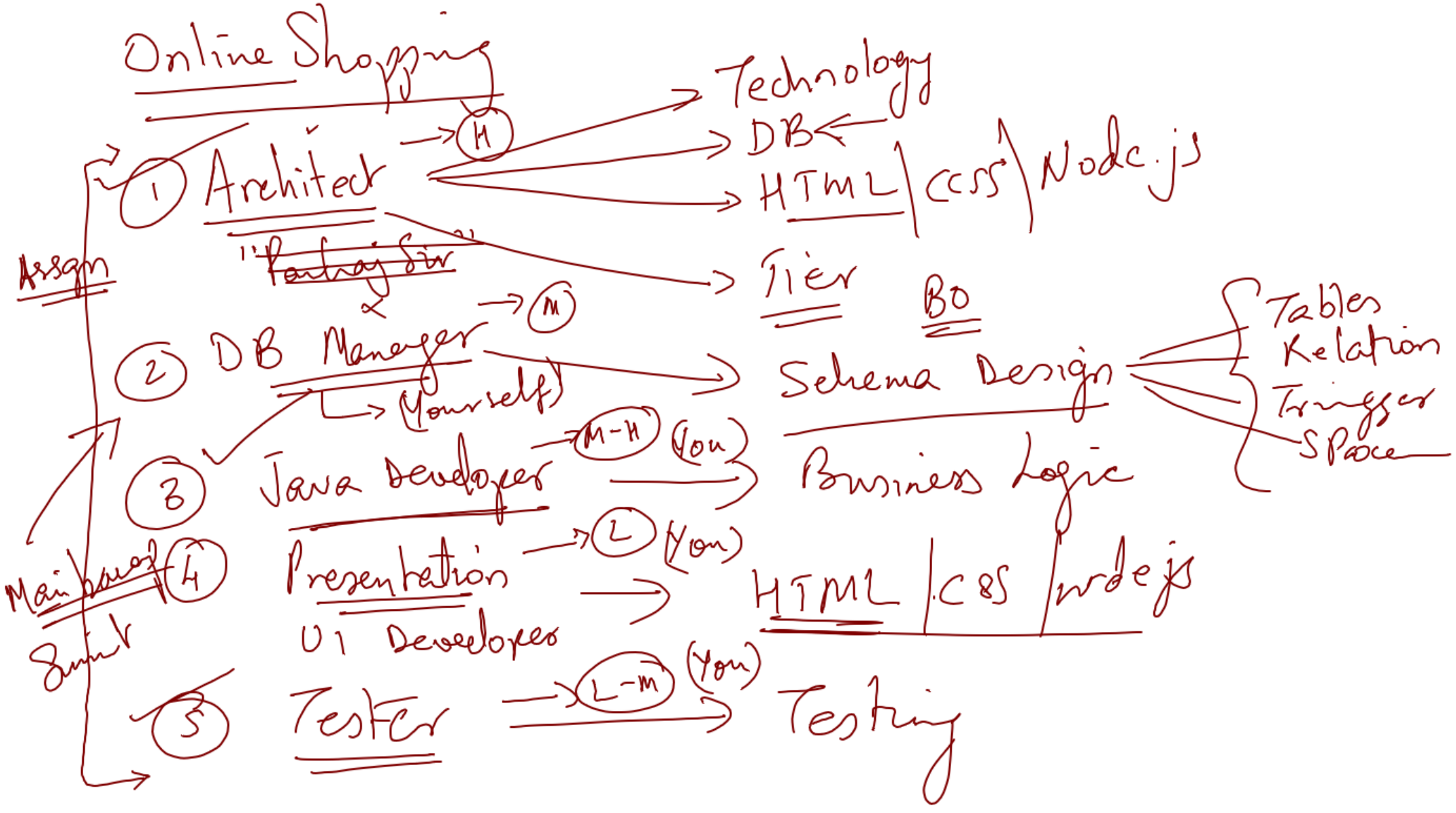


Online Shopping

Assign

1. Architect → (H) → Technology
   - DB
   - HTML | CCSS | Node.js
   - Tier
   - BO

   "~~Pankaj Sir~~"

2. DB Manager → (M) → Schema Design
   - Tables
   - Relation
   - Trigger
   - Space

   → (Yourself)

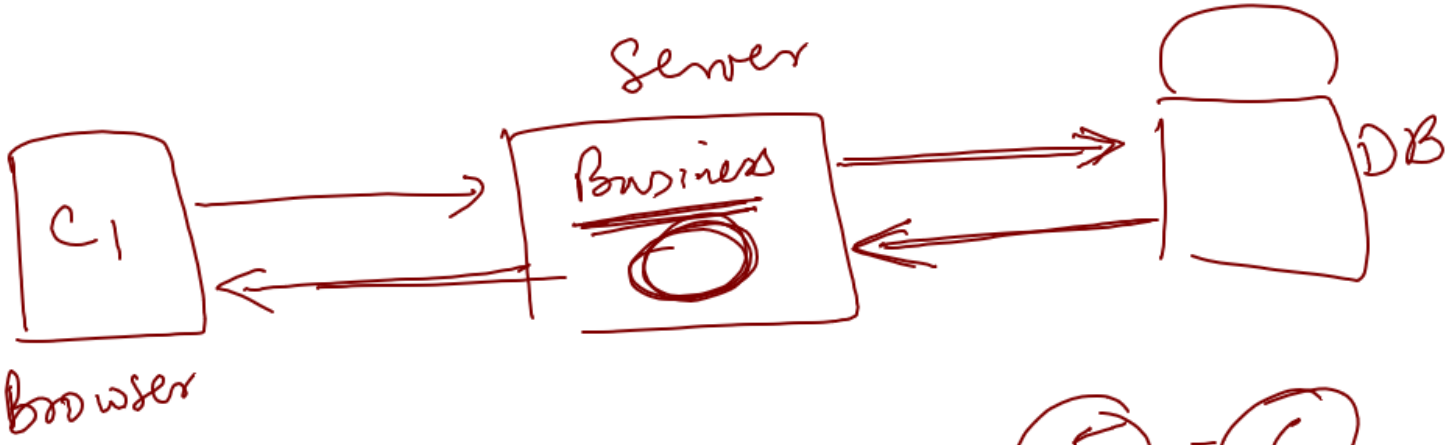
3. Java Developer → (M-H) (You) → Business Logic

Main Hours Summit

4. Presentation → (L) (You) → HTML | CSS | Node.js

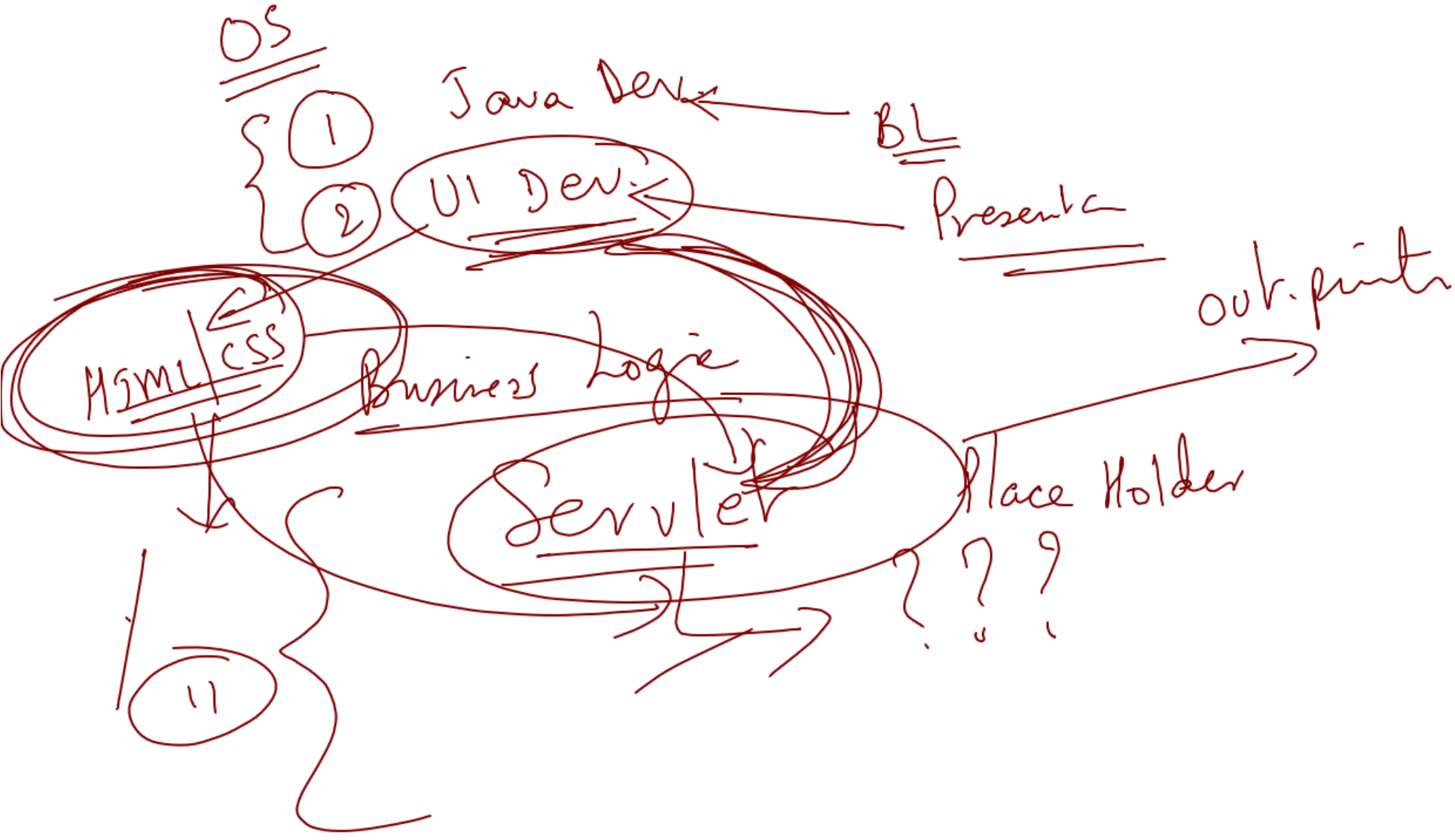
   UI Developer

5. Tester → (L-M) (You) → Testing

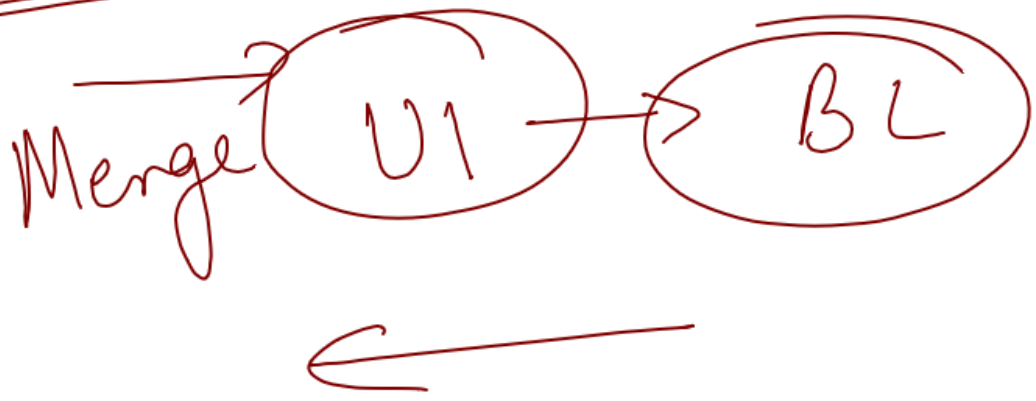


3 Tier

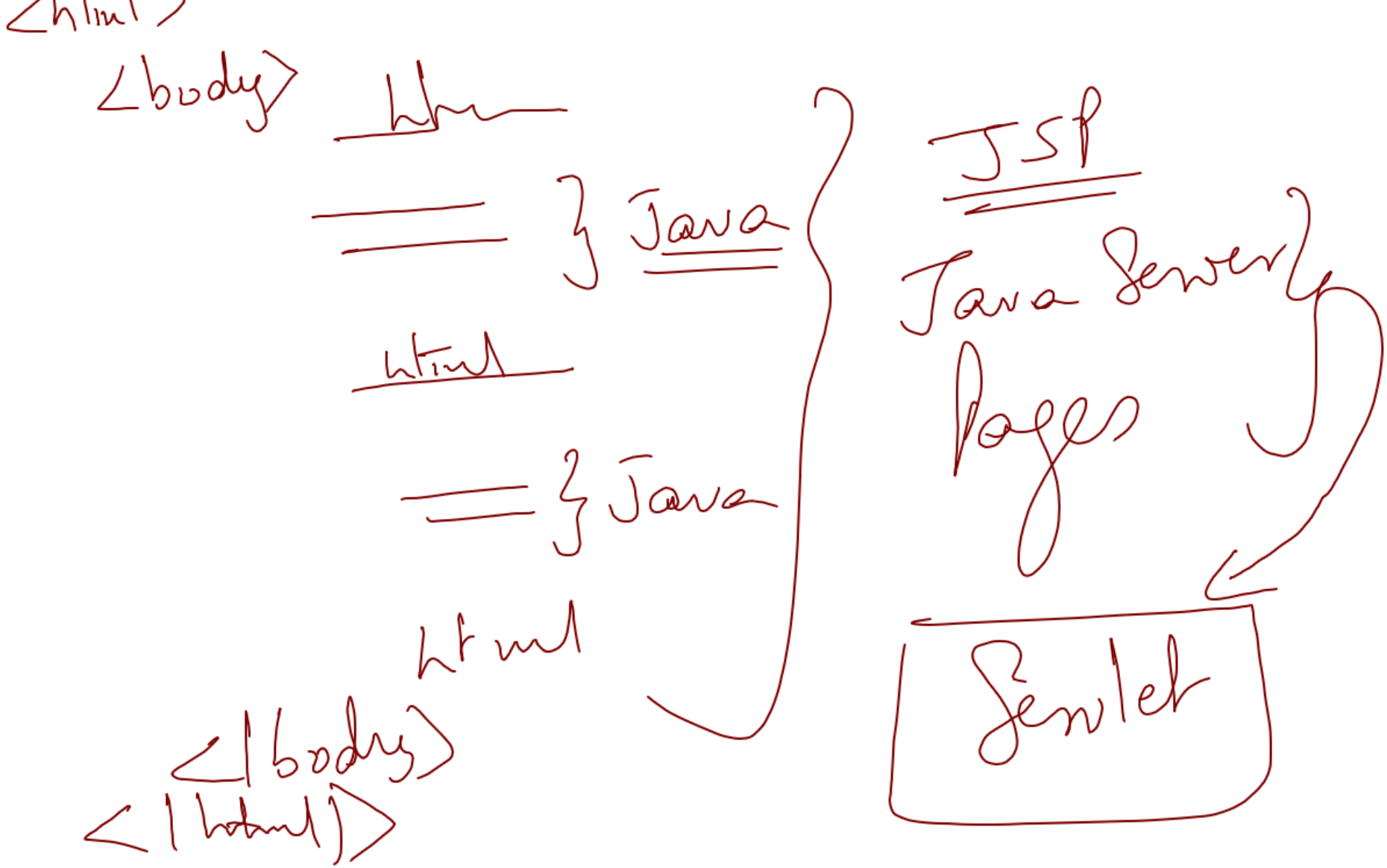
5 - 6

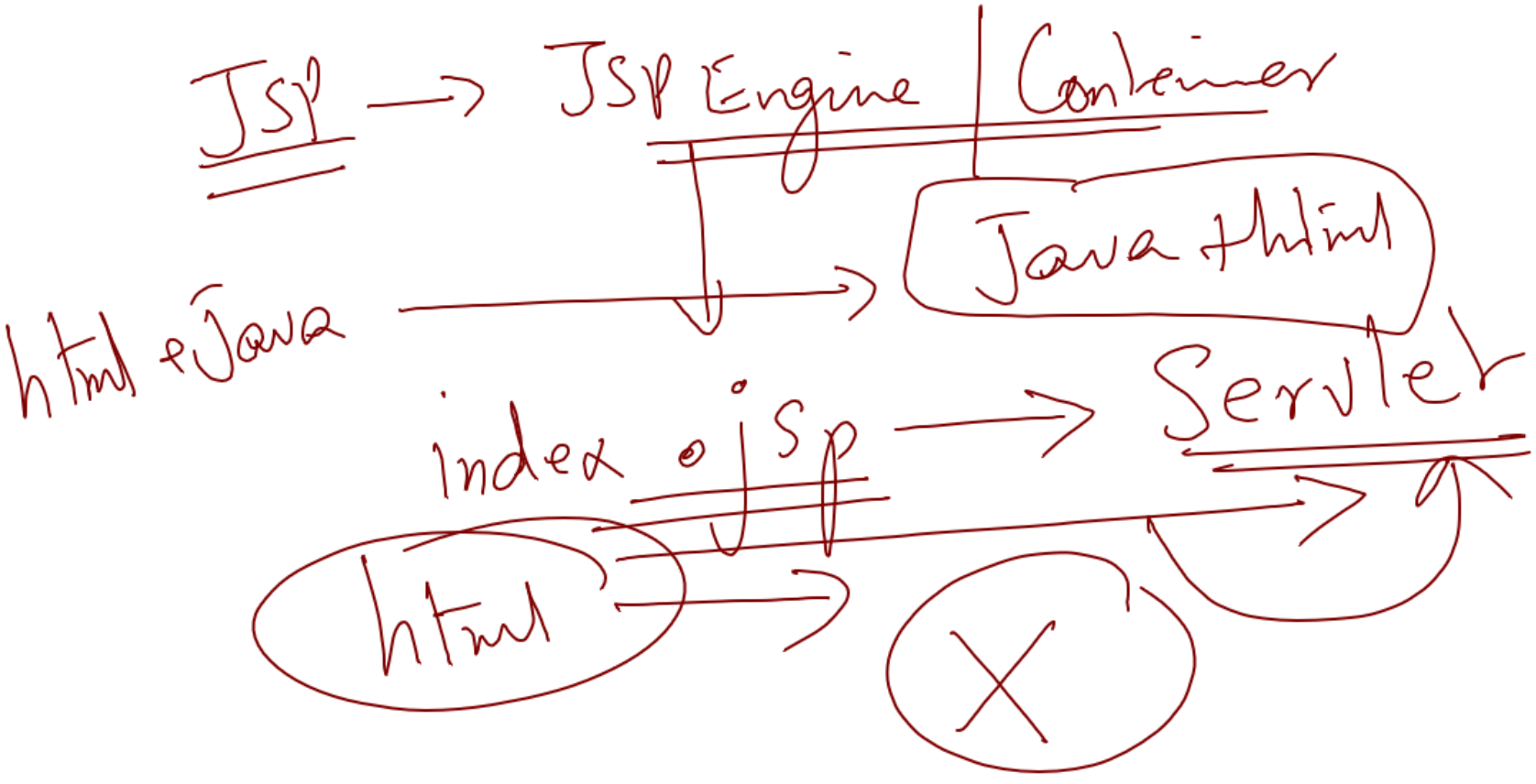

OS
1
2
Java Dev
BL
UI Dev
Presenta
out.print
HTML | CSS
Business Logic
Servlet
Place Holder
???
11

Java EE



BL ⟶ UI


<html>
<body>
html
Java
html
Java
html
</body>
</html>
JSP
Java Server Pages
Servlet


JSP
JSP Engine
Container
Java + html
html + Java
index.jsp
Servlet
html
X

Section 1 - Language Syntax

1. Directive <%@ %>
    a. page (10 -12 attributes for eg. import, language, session ....)
    b. include (statically including a page into the current page)
    c. taglib (used to use other pre-defined or user define tag libraries)

2. Declaration <%! %> to define functions or variables that are available on the current page.

3. Scriptlet <% %> - a block of java code that is inserted in between the presentation, this can be of multiple lines and each statement should terminate with a semi-colon; You can have multiple Scriptlets within a JSP page as long as they are not nested.

4. Expression <%= %> - an expression is a single statement that always generates an output, non-void value return, the statement of an expression is passed as a parameter to the out.print method

5. Expression Language ${[objects]}

Section 2 - Implicit Objects in JSP (by default available in Scriptlet or Expression)

1. request - HttpServletRequest
2. response - HttpServletResponse
3. session - HttpSession
4. config - ServletConfig
5. application - ServletContext
6. out - JspWriter (bufferred version of the PrintWriter)
7. page - Object (this)
8. exception - Throwable
9. pageContext - PageContext

Section 3 - JSP Tag Library

1. <jsp:useBean> - Allows you to instantiate or obtaining an existing POJO Object
2. <jsp:setProperty> - sets the value of a property of a bean/POJO
3. <jsp:getProperty> - gets the value of a property of a bean/POJO
4. <jsp:forward> - Forwards the request to another url
5. <jsp:include> - Dynamically includes the contents of another url
6. <jsp:plugIn> - flash, applet, excel, chart, pdf