Webserver

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Basic of Webapps	Request Flow Java EE	Basic Login	Todo Functionality
HTTP Requests	Basic Servlet	Creating JSP Form	Bootstrap / CSS
HTTP Response	JSP with JSTL & EL	Handling Validation	Navigation
GET	Running Wildfly	Views Redirection	Header & Footer
POST	MVC Pattern Basic		Filters

new maven FIle Create WEB.xml Create Main.java

Java Servlet in File WEB-INF/web.xml

Buidling with Goal Wildfly javax servlet Maven Compiler Plugin

Login Servlet

```java
@Webservlet(urlPattern="/Login.do") // C  SPC for autocompletion
public class Login Servlet extends HttpServlet {
    protected void doGet(java) {
        PrintWriter out = response.getWriter();
        writer.println("Dummy Response");

        // direct
        out.println("<html>");

        // get Parameters
        String name = request.getParameter("name");

        request.setAttribute("name"  ,name)


        // Redirect to JSP
        request.getRequestDispachter(<PATH>).forward(request, response);


        // POST
```

```java
    protected void doPost(HttpServletRequest request, HttpServletResponse) throw Exception);
        request.setAttribute("name", request.getParameter("name"));
        request.getRequestDispachter(<PATH>).forward(request, response);

        boolean isUserBalid = service.isUserValid(name, password);

        if(isUserBalid) {
            request.getRequestDispachter(<PATH>).forward(request, response);
        } else {
            request.getRequestDispachter(<OTHER_PATH>).forward(request, response);
        }
    } // copy from the docs
}
```

Check Response in Dev Console of Broswer Send response out for Browser Java good for Busines Logik

Java Server Pages Make writting of Dynamic Content Easy Converts to Servlets All Views in WEB-INF/

```jsp
<%@page import="java.util.Date"%>
<%@ page language "java" contentType="text/html; charset=UT-8">
<!DOCTYPE html>
<html>
<% // Scriplet are BUUUUUHHH
Syste.out.println("duh java");

Date date = new Date();
%>
<body>
Hello World it is <%=date%>
</body>
Hello ${name} This was expression Language

<form action="/login.do" method="post">
Enter Name <input type="text" name="name"/> <input type="submit"/>
</form>
</html>


<!-- Valid User -> welcome.jsp  -->
<!-- Invalid User -> login.jsp -->
```

The Path ist /WEB-INF/views/login.jsp

Develop a Playfull Atidude

1. What happens when changing the urlPattern
2. What happens to the dispachter
3. How does Autocomplete Worl

Status Code HTML 200 = Succes

java has welcome file set too: CHANGEME

How to pass parameters, use ?name=iam for passing parameters

Check Request in Firefox Network->Params Inspector for request Headers

Pass form jsp to Servlet

Use Busines Layer for Coding

Even after setting up the form the Request is a GET

How to set the POST request

```java
public class UserValidationService {

    public boolean isUserValid(String user, String password);
}
```

Extract Local Var:

https://hibernate.org/validator/

http://logback.qos.ch/

https://eclipse-ee4j.github.io/jersey/

Montag 8 Stunden Dienstag 1 Stunde Mittwoch 19-23 Uhr Donnerstag 12:00 19:00

Java EE Cheatsheet Server

Usese Junit, beans persitence with jta with data Source Wildfly, JAXRSConfiguration

Avoid Repeating AttributesInJPAEntry

Use H2 but has springframwork

Bootstrap Jakarta EE 8

User provider uses json

demo CRUD APPLICATIOn

uses lombok and javax.persistence The Book Controller has a ncie Syntax for CRUD and is nice to implent API STuff? The initializer uses the book repository

which extends the jpaRepositry to save Book Repuest the Service uses spring boot framework beans

Java Magazin looks ok, but lacks features

jsf simple login with java ee security

has typ for runing with jboss :)

Has a login form build with primfaces If loged in it sends the user to the site app/index.html provides LogoutBacking and LoginBacking CustomerInMemoryIdentification machted Strings to Return a array for admin or user

Lazy loading with hibernate

Dieses kleine Programm erlaubt es uns erste eine Datei zu laden, welche wenn sei gebraucht wird Benutzt Spring

Rest CLient for restful communication

rest easy file uploading

simple crud with primfaces

nice looking jsf apps with primefaces

Simpe databse Connection with schemaspy

>>>>>>> docEinleitung