Servlet Methods

Talk to a Teacher
http://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

Web Application contributed by a leading MNC

Arya Ratish
IIT Bombay

1 June 2013
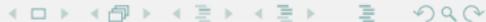
Learning Objectives

- **Create a simple login form using JSP**

Learning Objectives

- **Create a simple login form using JSP**
- **Pass parameters using doGet method**

- Create a simple login form using **JSP**
- Pass parameters using **doGet method**
- **Pass parameters using doPost method**

Learning Objectives

- Create a simple login form using **JSP**
- Pass parameters using **doGet method**
- Pass parameters using **doPost method**
- **Difference between doGet and doPost methods**

Software Requirements

Software Requirements

- **Ubuntu 12.04 OS**

Software Requirements

- **Ubuntu 12.04 OS**
- **Netbeans IDE 7.3**

Software Requirements

- **Ubuntu 12.04 OS**
- **Netbeans IDE 7.3**
- **JDK 1.7**

Software Requirements

- Ubuntu 12.04 OS
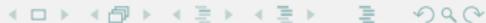- Netbeans IDE 7.3
- JDK 1.7
- **Firefox web browser 21.0**

Software Requirements

- **Ubuntu 12.04 OS**
- **Netbeans IDE 7.3**
- **JDK 1.7**
- **Firefox web browser 21.0**
- **You can use any web-browser of your choice**

Prerequisite

- **Core java using Netbeans IDE**

Prerequisite

- **Core java using Netbeans IDE**
- **HTML**

Prerequisite

- **Core java using Netbeans IDE**
- **HTML**
- **Basics of Java Servlets and JSPs**

Prerequisite

- Core java using Netbeans IDE
- HTML
- Basics of Java Servlets and JSPs
- If not, for relevant tutorials please visit http://www.spoken-tutorial.org

Home Page for Library Management System

Home Page for Library Management System

- **We will begin by creating our web application - Library Management System**

Home Page for Library Management System

- **We will begin by creating our web application - Library Management System**
- **First, we will create the Home Page**

Home page for Library Management System

Home page for Library Management System

- **The home page will contain a simple login form**

Home page for Library Management System

- **The home page will contain a simple login form**
- **It will allow authenticated users to login to the Library Management System**

Servlet as a controller

- **The form data will reside in the request object**

Servlet as a controller

- **The form data will reside in the request object**
- **The first task is to retrieve the form data parameters**

Servlet as a controller

- **The form data will reside in the request object**
- **The first task is to retrieve the form data parameters**
- **This is done using the getParameter method on the request object**

When to use GET and POST Methods

GET Method is used when:

When to use GET and POST Methods

GET Method is used when:

- **the form is small and hence the data is less**

When to use GET and POST Methods

GET Method is used when:

- the **form** is small and hence the **data** is less

- the **user** wants the contents of the **data** to be visible in the **URL**

When to use GET and POST Methods

POST Method is used when:

When to use GET and POST Methods

POST Method is used when:

- **the form is large and hence the data is more**

POST Method is used when:

- the **form** is large and hence the **data** is more

- the **user** does not want the contents of the data to be visible in the **URL**

When to use GET and POST Methods

POST Method is used when:

- the **form** is large and hence the **data** is more

- the **user** does not want the contents of the data to be visible in the **URL**

- **ex:passwords**

Summary

- **Create a simple login form using JSP**
- **Pass parameters using doGet method**
- **Pass parameters using doPost method**
- **Difference between doGet and doPost methods**

About the Spoken Tutorial Project

- **Watch the video available at http://spoken-tutorial.org /What_is_a_Spoken_Tutorial**

- **It summarises the Spoken Tutorial project**

About the Spoken Tutorial Project

- **Watch the video available at http://spoken-tutorial.org /What_is_a_Spoken_Tutorial**
- **It summarises the Spoken Tutorial project**
- **If you do not have good bandwidth, you can download and watch it**

Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- **Conducts workshops using spoken tutorials**
- **Gives certificates to those who pass an online test**
- **For more details, please write to contact@spoken-tutorial.org**

Acknowledgements

- **Spoken Tutorial Project is a part of the Talk to a Teacher project**

- **It is supported by the National Mission on Education through ICT, MHRD, Government of India**

- **More information on this Mission is available at http://spoken-tutorial.org /NMEICT-Intro**

Contributor slide

- **The Library Management System**
- **has been contributed by a leading software MNC**
- **through their Corporate Social Responsibility program**
- **They have also validated the content for this spoken tutorial**