CPS 278 – Java Sever Programming

In this course, students will learn about Java Servlets, Java Server Pages (JSP), JSTL, Expression Language, Tag Libraries and Java Database Connectivity (JDBC). Students taking this class should have a good knowledge of Java Fundamentals. Some knowledge of simple HTML and SQL is helpful but not mandatory. This course was previously CIS 278.

1: Big Picture and Html Crash Course

Big Picture- (20:01)
https://www.youtube.com/watch?v=WZGYRzysVEY&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=54

Hello World Netbeans Examples- (33:58)
https://www.youtube.com/watch?v=O9Apgf9oDe0&index=53&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

HTML Crash Coarse- (33:03)
https://www.youtube.com/watch?v=pQnyArfr3NY&index=52&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

HTML References- (18:53)
https://www.youtube.com/watch?v=1jtD0MdimBo&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=51

Form Basics- (30:14)
https://www.youtube.com/watch?v=m7VZ9obht7g&index=50&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Forms Extras- (12:57)
https://www.youtube.com/watch?v=Gtq38TjF7tw&index=49&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

2: Servlets

ArrayList Tutorial- (07:52)
https://www.youtube.com/watch?v=gwEzWQw09kw&index=48&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Servlets Part 1- (53:03)
https://www.youtube.com/watch?v=T9xc2HRpbew&index=47&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Servlets Part 2- (35:27)
https://www.youtube.com/watch?v=kXcSi3bunhE&index=46&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Servlet Examples- (31:29)
https://www.youtube.com/watch?v=fZnpGHUNV3A&index=45&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Murach Servlet Examples- (12:08)
https://www.youtube.com/watch?v=ML79UKUG7Gg&index=40&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Jing- (7:53)
https://www.youtube.com/watch?v=YvIxOOMMO5A

3: JSP

Guest Book- (39:25)
https://www.youtube.com/watch?v=xXp8Z9WC5Yw&index=43&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

JSP Basics Part 1- (34:15)
https://www.youtube.com/watch?v=BxpiIjUaNTo&index=42&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

JSP Examples- (23:13)
https://www.youtube.com/watch?v=NohIkP3tvGo&index=41&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Murach JSP Example- (7:39)
https://www.youtube.com/watch?v=ML79UKUG7Gg&index=40&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Netbeans Debugger- (18:30)
https://www.youtube.com/watch?v=3I_Lws_tffs&index=39&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Advanced Web Features- (8:48)

https://www.youtube.com/watch?v=DQMfU7QI7KM&index=61&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

4: Finish JSP & Server Management

JSP Basics Part 2- x⊗x
https://www.youtube.com/watch?v=_VVW6C6_CXo&index=38&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

JSP Guest Book- (26:23)
https://www.youtube.com/watch?v=kDRncv8evhs&index=37&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Server Management- (35:15)
https://www.youtube.com/watch?v=rkTBGjaqNf4&index=36&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Linux Cammand- (16:50)
https://www.youtube.com/watch?v=wKusOeOKg60&index=35&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Tomcat on Linux- (28:41)
https://www.youtube.com/watch?v=0vE-5KTv24o&index=34&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

 Publishing- (18:50)
https://www.youtube.com/watch?v=djGl6zpUqDU&index=33&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

5: MVC, Includes, Start Sessions

Murach MVC and Misc Chapter 7- (49:05)
https://www.youtube.com/watch?v=B1pkDdLjY3Q&index=32&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Factoring Example- (22:45)
https://www.youtube.com/watch?v=MohgamWhYLg&index=31&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Sessions Cookies Concepts- (52:24)

https://www.youtube.com/watch?v=x8QlolTAAS0&index=30&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

6: Cookies and Sessions

Cookies- (35:42)
https://www.youtube.com/watch?v=So1t-2L-Pl4&index=29&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Using Include Files (Jokes.jsp)- (37:52)
https://www.youtube.com/watch?v=HQRLEyhtnYg&index=28&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Session Application: Books- (41:44)
https://www.youtube.com/watch?v=HQRLEyhtnYg&index=28&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Shopping Cart- (22:33)
https://www.youtube.com/watch?v=vDoS_16mZI8&index=26&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

7: Data Base Fundamentals, start JDBC

Data Base Theory - (22:39)
https://www.youtube.com/watch?v=IXP-H3Pvw1I&index=25&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

SQL Basics- (43:54)
https://www.youtube.com/watch?v=m-Enk6jeAJ0&index=23&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Table Creation- (27:39)
https://www.youtube.com/watch?v=b8CIx6YsrSI&index=24&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Foreign Keys- (15:01)
https://www.youtube.com/watch?v=puXErIyUqOo&index=22&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Data Types and Operations- (6:48)

https://www.youtube.com/watch?v=ppQhRldQL38&index=21&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

JDBC Commands- (49:20)
https://www.youtube.com/watch?v=YGzZK5fMPpk&index=20&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

8: Jdbc, Web-Jdbc

Generic SQL- (49:33)
https://www.youtube.com/watch?v=7mOzbUNs9SM&index=19&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

JDBC Odds & Ends- (38:34)
https://www.youtube.com/watch?v=-ObJGbcuEb4&index=18&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Web Database Basics- (47:19)
https://www.youtube.com/watch?v=KEzA-0yuAQk&index=17&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

9 - Connection Pools, Java Beans

Connection Pools- (32:29)
https://www.youtube.com/watch?v=fW51j4RKaGQ&index=16&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Connection Pool Performance- (5:33)
https://www.youtube.com/watch?v=ZSHpjVbNFL8&index=15&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Guest Book Database Connection Pools- (29:23)
https://www.youtube.com/watch?v=zWkUy_9GggI&index=14&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

JSP Java Beans and Shortcuts- (48:22)
https://www.youtube.com/watch?v=Qmh3NKiZyTs&index=13&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

10 - EL (Expression Language), JSTL (JSP Standard Template Library)

JSP Expression Language (EL) 101- (43:47)
https://www.youtube.com/watch?v=0PobdXNdvno&index=12&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3

Java Standard Template Library: JSTL 101- (48:28)
https://www.youtube.com/watch?v=EjjCluz25kA&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=11

Book Collection MVC withEL and JSTL- (21:18)
https://www.youtube.com/watch?v=_6esficGOqk&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=10

11 - Database Book Collection, More EL, More JSTL

Book Collection using Database,EL, and JSTL- (41:02)
https://www.youtube.com/watch?v=atxnH_obTiA&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=9

More Exprssion Language- (52:18)
https://www.youtube.com/watch?v=ecW5ViT-mhs&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=8

More JSTL- (36:11)
https://www.youtube.com/watch?v=TAVY2bqyVjU&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=7

12 - Tag Libraries

Custom Tag Libraries: Basics- (37:21)
https://www.youtube.com/watch?v=eC9WxCkYvlo&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=6

Custom Tag Libraries: Mortage Calculation- (21:40)
https://www.youtube.com/watch?v=xaBCxg_qROo&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=5

Custom Tag Libraries: JSTL Simulations- (27:35)
https://www.youtube.com/watch?v=nFhUpOE2h8A&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=3

13 - Miscellaneous (Optional material ... not on final)

Javax.Mail- (44:28)
https://www.youtube.com/watch?v=SrWg1iXpi4U&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=57

Clem Shop- (29:55)
https://www.youtube.com/watch?v=CZmuv51AR88&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=60

Listener Interface Examples- (37:18)
https://www.youtube.com/watch?v=hZBAodCgkcQ&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=1

Nested Tags: JDBC Example- (40:24)
https://www.youtube.com/watch?v=kFegwTXBt1I&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3&index=2

Tools

Jing- (7:53)
 https://www.youtube.com/watch?v=YvIxOOMMO5A

Advanced Web Features- (8:48)
https://www.youtube.com/watch?v=DQMfU7QI7KM&index=61&list=PLYCnr23oAKDlwFg_PbFBjiY6D8ho9C5Q3