SE 452 – SE 352

Object-Oriented Enterprise Computing

Object-Oriented Enterprise Application Development

Instructor: Dr. Atef Bader
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Office Hours: Mon 5-5:45 P.M., 9:00-9:45 P.M. or by appointment

Course Description

This course focuses on applying object-oriented techniques in the design, development, and integration of server-side enterprise applications using technologies such as servlets, Java Server Pages, JDBC, AJAX, RMI, and Multithreading. Topics include web applications, multi-tier architecture, model-view-controller architecture, and database connectivity.

Prerequisites:

CSC 212 , CSC 224 or CSC 403.

TextBook:

Murach's Java Servlets and JSP, 3rd edition

Steelman & Murach, Mike Murach & Associates, 2014. ISBN: 978-1890774783

Topics Covered

- Web application architecture and application server
- J2EE framework
- HTML and HTTP basics
- Java servlets
- JavaServer pages (JSP)
- MVC pattern and Template Method design pattern
- Java Beans

- Asynchronous JavaScript and XML (AJAX)
- Java database connectivity (JDBC)
- Java RMI
- Multithreading

Lecture Notes
Will be posted on D2L.

Grading:

60% Assignments (4), 40% Midterm Exam (4/25/2016)

Grading Scale

A : total >= 93   C+: 80 > total >= 77
A-: 93 > total >= 90   C : 77 > total >= 73
B+: 90 > total >= 87   C-: 73 > total >= 70
 B : 87 > total >= 83   D+: 70 > total >= 67
 B-: 83 > total >= 80   D : 67 > total >= 63
                                        D-: 63 > total >= 60
                                        F : 60 > total

Course Schedule and Topics covered

The calendar of lectures, exams, and class assignments are subject to change based on the level of difficulty and nature of the subject matter.