CSCI 4300 Syllabus

Spring 4300

Instructor: Dr. Dan Everett, drdan@uga.edu

Office Hours: M 3:15 – 4:00, TR 1:00 – 2:00 in Boyd 418; other times by appointment

Teaching Assistant: TBA

Text and online readings: *Java Servlets and JSP by Murach,* 2nd ed. Additional online readings and videos will be provided on eLC. The textbook readings are listed in the class schedule below.

Blended class format: CSCI 4300 is a "blended" class, meaning that the instruction will be a combination of lecture, online learning resources, in-class exercises, and student presentations. I shall endeavor to minimize in-class lecture time and maximize student participation.

Points and Grade Scale:

eLC Assessments	5%	A	92
Blog postings	5%	A-	90
In-class exercise initial submissions	5%	B+	87
In-class exercise final submissions	10%	B	82
Student presentations	10%	B-	80
Individual Assignments	30%	C+	77
Group project	15%	C	70
Two in-class tests	10%	C-	65
Final Exam	10%	D	60
		F	<60

Cooperative class blog: Deciphering error messages is a key skill in any kind of software development. In this class, we will set up a cooperative "Bug Hunt" blog in which you can discuss error messages with other students. The title of each blog thread should be an error message that came up in your work. That way, another student can use the blog entries as a resource for understanding their own errors. In your blog entries please address both why the error occurs (including the definitions of any possibly obscure terms in the error message) and how to fix it.

Each student should make at least five entries (either new threads or comments) during the semester. Your grade will be based partly on peer evaluations of your entries. You may earn up to 5 points extra credit for blogging above and beyond the call of duty!

Presentations: Mondays will be reserved for Q & A and student presentations. You will work in teams of two (sometimes three if odd numbers of students mess up my system) and present twice during the semester. I will discuss the art of giving a good technical presentation in the first lecture.

In-class exercises: These will be done in pairs (or threesomes, again). You will make an initial submission at the end of the class period and a final submission when you finish the exercise. Notice that this means that you MUST come to class and stay to the end! Bring a good book if you are the type who finishes a two-hour project in less than 45 minutes on a regular basis.

Academic Honesty

In-class Exercises: These are started in class and completed on your own, in teams or two or more. You *may* discuss these with other students and help other students with coding problems. You *may not* copy other students' code or write code for other students. You may not get help from any other person or copy code from any source, unless the exercise directions specifically allow it. Please do not work on your individual assignments, or ask questions about them, during class time.

Individual Assignments: These are completed on your own, entirely outside of class. You *may* discuss ideas with other students. You *may not* work together with other students, help other students with code, copy other students' code, or write code for other students. You may not get help from any other person or copy code from any other source, unless the assignment directions specifically allow it.

Group Project: You *may* work together with other students in your group and help other students with their code, but each module (class or function) must have a single author, identified with a comment in the code. You may *not* copy other students' code, or write code for other students. You may not work with students outside your group, except to discuss ideas (no code!) You may not get help from any other person or copy code from any other source, unless the assignment directions specifically allow it.

Content from outside this class: You may not copy any code from any other source, such as the textbook or examples from the Web, without specific authorization from the instructor. Any content from an external source, including images, must be acknowledged in your code.

Enforcement: if I suspect that a violation of these rules has occurred, I will first discuss it with the students involved. If after this discussion it still appears that a violation has occurred, I will handle the matter according to the UGA Academic Honesty Guidelines (http://www.uga.edu/honesty/). During any hearings I will ask for a penalty of an F in the course.

Readings and online materials: The class schedule below lists only the textbook readings. Consult eLC for additional online resources as we proceed.

Class Schedule:

Dates	Topic	Book readings

1	Jan 7-10	HTML and CSS	Chapters 1, 4
2	Jan 14-17	The Tomcat Web Server	Chapter 2
3	Jan 22-24	Java Server Pages and Expression Language	Chapters 5, 10
4	Jan 28-31	The Model-View Design Pattern	Chapters 9,11
5	Feb 4 - 7	Servlets and HTTP	Chapter 6
6	Feb 11-14	The Model-View-Controller Design Pattern	Chapter 7
7	Feb 18 -21	Databases and Java Database Connectivity	Chapter 13, pp. 442-452
8	Feb 25-28	Databases and connection pooling	Chapter 14
9	Mar 4-7	Secure Sockets Layer (SSL)	Chapters 15, 16
	Mar 11-14	***Spring Break***	
10	Mar 18-21	Authentication	Chapter 18
11	Mar 25-28	JavaScript	
12	Apr 1-4	The jQuery JavaScript toolkit	
13	Apr 8-11	Logging and Filtering	Chapters 19 and 20
14	Apr 15-18	Java Server Faces	
15	Apr 22-25	No class -- work on group project during this time	
	29-Apr	Makeup presentations; Final Exam Review	
	2-May	Final Exam: 3:30 PM in our regular classroom	