

University of Utah School of Computing

CS 4540

Handout 1

January 8, 2008

Course Staff and Schedule

Instructor	Joe Zachary Office: 3190a MEB Phone: 581-7079 Email: zachary@cs.utah.edu Office Hours: MW 1:30-3:00 p.m.
Lectures	TH 3:40–5:00, 2230 WEB
Teaching Assistants	Matt Jennings
TA Consulting Hours	TBA

Course Overview

The goal of this class is to teach you how to write web-based client/server applications using Java technology. This will include HTML, JavaScript, and AJAX scripts in the client browser; Java servlets and JavaServer pages running under Tomcat on the server side; and SQL and XML data sources accessed via JDBC and HTTP on the back end.

Along the way you will encounter some of the principles of distributed computing. These issues will include distributed programming models, network protocols, multi-threaded programming, synchronization, authentication, and security.

The required text is the second edition of *Core Servlets and JavaServer Pages (Volume 1)* by Marty Hall and Larry Brown. This book is available on the web for free at <http://pdf.coreservlets.com>. Later in the semester we will make use of other web-based reading.

Pragmatics

We will meet for lecture on Tuesdays and Thursdays from 3:40–5:00 p.m. for 80 minutes. In lecture, I will make use of both the chalkboard and of a projected laptop computer. I will use the laptop to create programming examples, and after lecture I will post those lectures on the class web page.

On Fridays before spring break, I will post an assignment for the following week. It will consist of a set of programming and/or written problems that will be due on Friday (seven days later) at 11:59 pm by electronic handin. You will work individually on the problem sets.

There will no problem sets assigned after spring break. Instead, you will work in a small group on a final project of your choosing. The project will be due on Monday, April 14. The last three class periods will be devoted to project demos.

There will be a link on the class web page to the lecture schedule. This schedule will show the lecture topic and reading assignment for upcoming lectures. Following each lecture, I will update this schedule to reflect what was actually covered in lecture that day. By the end of the semester, the schedule will contain a record of everything we covered.

The course staff (instructor and teaching assistant) will hold regular consulting hours each week, during which we will be available to help you with questions or problems.

All of the programming that you do in this course will be in Java. If you are not already a proficient Java programmer, you should plan to put in a lot of effort early in the semester to bring yourself up to speed.

There will be no exams in this course. Your grade will be based entirely on the problem sets (60%) and your project (40%).

Getting Help and Information

The class web page is <http://www.cs.utah.edu/classes/cs4540/>. It will contain a variety of information resources, including course staff consulting hours and e-mail addresses, a course FAQ, links to course handouts and problem set solutions, links to examples from lecture, and links pertaining to the software used in the course.

There is a class mailing list (cs4540@cs.utah.edu) and a staff mailing list (teach-cs4540@cs.utah.edu).

We will use the class mailing list to send urgent messages, such as corrections to problem sets or changes in due dates, to everyone in the class. *Only the course staff will be allowed to send mail to this list.* You *must* subscribe to this list. A link on the class web page explains how.

You can use the staff mailing list to send questions to me and to the TAs. Before you send a question, however, please check the FAQ on the class web page. If we feel that the answer to your question would be of interest to the class at large, we will add your question and our reply to the FAQ.

We encourage you to seek us out whenever you need help, advice, or encouragement. Simple questions can often be answered by phone or electronic mail. Our consulting schedule will be posted on the class web page as soon as it is finalized.

Cooperation vs. Cheating

Working with others on assignments is a good way to learn the material and we encourage it. However, there are limits to the degree of cooperation that we will permit.

When working on individual programming assignments, you must work only with others whose understanding of the material is approximately equal to yours. In this situation, working together to find a good approach for solving a programming problem is cooperation; listening while someone dictates a solution is cheating. You must limit collaboration to a high-level discussion of solution strategies, and stop short of actually writing down a group answer. Anything that you hand in, whether it is a written

problem or a computer program, must be written in your own words. If you base your solution on any other written solution, you are cheating.

The same general guidelines apply to the final project, except that you may collaborate without restrictions with your fellow group members. All members of a group are expected to contribute substantially to that group's project.

We do not distinguish between cheaters who copy others' work and cheaters who allow their work to be copied.

If you cheat, you will be given an E in the course and referred to the University Student Behavior Committee. If you have any questions about what constitutes cheating, please ask.

Students With Disabilities

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations.

All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

Tentative Schedule

Date	Event	Date	Event
1/8	Lecture 1	3/4	Lecture 17
1/10	Lecture 2	3/6	Lecture 18
		3/7	PS 8 out (due 3/14)
1/15	Lecture 3		
1/17	Lecture 4	3/11	Lecture 19
1/18	PS 1 out (due 1/25)	3/13	Lecture 20
		3/14	Project out (due 4/14)
1/22	Lecture 5		
1/24	Lecture 6	3/18	Spring Break
1/25	PS 2 out (due 2/1)	3/20	Spring Break
1/29	Lecture 7	3/25	Lecture 20
1/31	Lecture 8	3/37	Lecture 21
2/1	PS 3 out (due 2/8)		
		4/1	Lecture 22
2/5	Lecture 9	4/3	Lecture 23
2/7	Lecture 10		
2/8	PS 4 out (due 2/15)	4/8	Lecture 22
		4/10	Lecture 23
2/12	Lecture 11		
2/14	Lecture 12	4/15	Project presentations
2/15	PS 5 out (due 2/22)	4/17	Project presentations
2/19	Lecture 13	4/22	Project presentations
2/21	Lecture 14	4/24	Reading Day (no class)
2/22	PS 6 out (due 2/29)		
2/26	Lecture 15		
2/28	Lecture 16		
2/29	PS 7 out (due 3/7)		