CPSC 483: COMPUTER SYSTEM DESIGN
SPRING 2006

STUDENT QUESTIONNAIRE

YOUR NAME:_____

This questionnaire is being distributed to help us learn more about your interests, academic strengths and experiences. The information you provide will assist us in assigning you to the appropriate project.

QUESTION 1

The last page of this handout lists a number of Computer Engineering/Science specialties. Please select the top three areas that best describe your INTERESTS.

- My first choice is _____
- My second choice is _____
- My third choice is _____

QUESTION 2

List the top three courses that you have enjoyed the most during your undergraduate studies.

- The best course was _____
- The second course was _____
- The third course was _____

QUESTION 3

Describe your STRENGTHS. For example, would you describe yourself as a software person, a hardware person, or both? Are you better at creating, analyzing or implementing solutions? Are you a bottom-up or a top-down person?

QUESTION 4

Describe any hands-on SKILLS (e.g., programming languages, software packages, design tools) that would make you attractive to a potential employer.

QUESTION 5

Describe any EXPERIENCES (e.g., internships, co-ops, undergraduate research, and general employment) that may complement your academic credentials.

QUESTION 6

Describe any additional QUALIFICATIONS or CONSTRAINTS that you think should be considered when assigning you to a particular project. Do you have any additional background outside of the Computer Engineering curriculum?

QUESTION 7

Please review the list of projects available this semester and rank the three projects that would be of most interest to you. In choosing a project, take into consideration both your interests and your background. NOTE: We will do our best to meet your preferences, but some students may not get their first (or even second or third...) choice since we also need to balance the teams.

- My first choice is _____
- My second choice is _____
- My third choice is _____
- My fourth choice is _____

QUESTION 8

In order to coordinate the lab meeting times, we would like to know if you would be able to attend either lab session during the semester. If you can only attend one of them, please specify which one. NOTE: Please understand that this may limit our ability to assign you to one of your preferred projects.

QUESTION 9

You'll be probing the job market pretty soon, if you have not started already. For this reason, your first assignment in this class will be to prepare a RESUME and hand it to us within the next two days. Your goal is to prepare a strong and impressive resume to convince us (think of us as the prospective employer) that you should be assigned to one of your preferred projects.

Areas of Interest

TH   Theory, parallel algorithms, algorithms, combinatorics, optimization, cryptography, theoretical computer science

Chi+   Human computer interaction, multimedia, cognitive modeling, hyper/multi media/text, digital libraries

CSys   Computer systems, computer architecture, resilient CSys, fault tolerance, VLSI

NetDis   Networks, communications, distributed systems/computing, computer communication, distributed/concurrent systems, telecommunications, high speed network, scalable infrastructure, security, cryptography

W/I   Web, Internet, XML, HTML, e-commerce

RT   Real-time systems, embedded computers/systems

OS   Operating systems, remote computing, cooperating processes

SW   Software engineering, software, distributed agents, intelligent agents, object oriented model design, formal methods, software metrics

CmplLang   Compilers (often parallel), language design

DB   Database, distributed DB, DB management systems, OODB, information systems

IS/R   Information storage and retrieval, data mining

AI/ap   Artificial intelligence, neural nets, fuzzy logic, machine learning, intelligent agents, virtual reality, data mining

CSE   Computational science/engineering, computational mathematics, numerical analysis/computing, scientific computing, simulation, high performance computing

Gr/Viz   Computer vision, image processing, imaging, graphics

Rob   Manufacturing automation, robotics, industrial automation, sensors

Other   Any other specialties not included in this list (please specify)