

Name: \_\_\_\_\_

### CSE Courses Inventory

For each course, check whether you have completed the course or you are currently enrolled in it.

| Course |     |                                           | Completed | Enrolled |
|--------|-----|-------------------------------------------|-----------|----------|
| CSE    | 335 | Software Design                           |           |          |
| CSE    | 410 | Operating Systems                         |           |          |
| CSE    | 420 | Computer Architecture                     |           |          |
| CSE    | 422 | Computer Networks                         |           |          |
| CSE    | 425 | Introduction to Computer Security         |           |          |
| CSE    | 435 | Software Engineering                      |           |          |
| CSE    | 440 | Artificial Intelligence                   |           |          |
| CSE    | 450 | Translation of Programming Languages      |           |          |
| CSE    | 452 | Organization of Programming Languages     |           |          |
| CSE    | 460 | Computability and Formal Language Theory  |           |          |
| CSE    | 471 | Media Processing and Multimedia Computing |           |          |
| CSE    | 472 | Computer Graphics                         |           |          |
| CSE    | 480 | Database Systems                          |           |          |
| CSE    | 491 |                                           |           |          |
| CSE    | 891 |                                           |           |          |
| CSE    |     |                                           |           |          |
| CSE    |     |                                           |           |          |

### CSE Skills Inventory

One goal in the selection of the project teams is to ensure a complete set of skills for each group. To do so, we need an accurate assessment of your skills. To assist you in your rating, the following pages include statements about each skill set. Select the rating that most accurately describes you. It is important that you give an accurate rating for yourself; if you rate yourself as being proficient in some skill, you will be expected to be able to contribute that skill to your team. After completing the following pages, please copy your ratings below.

- |                       |                    |                         |
|-----------------------|--------------------|-------------------------|
| 1. _____ Windows      | 8. _____ Apache    | 15. _____ IIS           |
| 2. _____ Linux        | 9. _____ XML/HTML  | 16. _____ AJAX          |
| 3. _____ Java         | 10. _____ PHP      | 17. _____ Ruby on Rails |
| 4. _____ Swing        | 11. _____ ASP.NET  | 18. _____ WPF/XAML      |
| 5. _____ C#.NET       | 12. _____ COM      | 19. _____ SNMP          |
| 6. _____ Visual Basic | 13. _____ SQL      | 20. _____ SOAP          |
| 7. _____ Perl         | 14. _____ Graphics |                         |

Name: \_\_\_\_\_

**Meeting Availability**

Check the lab section for which you are enrolled and check **all** other lab section times for which you are available.

1. \_\_\_\_\_ Section 1: TT, 3:00–4:50pm
2. \_\_\_\_\_ Section 2: WF, 8:00–9:50am
3. \_\_\_\_\_ Section 3: WF, 12:40–2:30pm

**Project Preferences**

If you have a preference for a particular project, you may indicate below by ranking your preferences 1 through 6. If there are specific reasons why you would like to be assigned to a particular project team, you may indicate below in the section for written comments.

1. \_\_\_\_\_ Auto-Owners Insurance: Vendor Management System (VMS)
2. \_\_\_\_\_ Ford: Ford Safety Index: Automotive Warning System
3. \_\_\_\_\_ IBM: Enable Linux Kernel for Dedicated Processor Sharing and Processor Folding
4. \_\_\_\_\_ Motorola: AJAX Based Management Console for the Agent Framework
5. \_\_\_\_\_ Sircon: GUI Configuration Tool for Dynamic Interview
6. \_\_\_\_\_ TechSmith: Rich Media Collaboration

**ECE 480 Projects**

(If you do not indicate a preference for either of the ECE 480 projects listed below, we will assume that you do **not** want to be assigned to an ECE 480 project. Only students who indicate a desire to participate in an ECE 480 project will be considered.)

4. \_\_\_\_\_ DaimlerChrysler and UNESCO: Production Prototyping of Remote Medical Diagnostic System
8. \_\_\_\_\_ NASA: Vision Guided Control of Simple Bots from a “Mother Ship”

Comments:

**Relevant Internship/Work Experiences**

Briefly describe your relevant internship/work experiences if any.

**1. Windows****Rating:** \_\_\_\_\_

1. It's an operating system from Microsoft.
2. I've done some of the basic user stuff, but no administration.
3. I've done basic installs and I know a little about administration.
4. Windows is my main operating system; I use it all the time.
5. I've done lots of Windows installs and I'm fairly proficient at system administration.

**2. Linux****Rating:** \_\_\_\_\_

1. It's an operating system.
2. I've done some of the basic user stuff, but no administration.
3. I've done basic installs and I know a little about administration.
4. Linux is my main operating system; I use it all the time.
5. I've done lots of Linux installs and I'm fairly proficient at system administration.

**3. Java****Rating:** \_\_\_\_\_

1. Another object-oriented programming language; I've looked at Java code but I've never used it.
2. I've written a couple of simple programs in Java.
3. I can write Java programs, but only basic stuff, but I've never used any existing object libraries.
4. I program Java regularly and I've written a few apps that are useful.
5. I've written lots of Java and even know the development tools (Swing, JDB, Beans, RMI).

**4. Swing****Rating:** \_\_\_\_\_

1. Never heard of it; never used it.
2. I know what it is – a Java GUI development toolkit.
3. I've used Swing (at least) once successfully.
4. I've used Swing quite a few times, and I've created a few apps that are useful.
5. I am very experienced with Swing.

**5. Visual C#/.NET****Rating:** \_\_\_\_\_

1. I've heard about .NET it's from Microsoft's.
2. I know a little C# and how it fits into .NET.
3. I can work with .NET for Internet services.
4. Sure, I do development in C# and .NET both. It's good stuff.
5. I'm almost a Microsoft certified .NET developer.

**6. Visual Basic****Rating:** \_\_\_\_\_

1. I've heard about Visual Basic stuff from Microsoft, but I've never used it.
2. VBasic is one of Microsoft's programming languages for GUI development; I've never used it.
3. I can program in Visual Basic, but need documentation in front of me.
4. Sure, I do development with Visual Basic all the time; it's good stuff.
5. I'm almost a Microsoft certified VB developer.

**7. Perl****Rating:** \_\_\_\_\_

1. The managers use it a lot for systems programming, but I don't know any more than that about it.
2. It's one of the many scripting languages. I've read the book a couple of times.
3. I've used it occasionally for things like pattern matching.
4. I use it, especially for cgi-scripts; I do have to check the book sometimes to remember how to use it.
5. I've some written neat Perl packages for myself and others.

**8. Apache****Rating:** \_\_\_\_\_

1. I've heard about it through newsgroups and stuff, but I've never touched it
2. It comes on my Linux distribution. I run it by default but don't configure it.
3. I can do the basic configuration stuff, but I need a manual to follow it all.
4. I know the basics by heart and have done stuff like virtual hosting, SSI, security etc.
5. I know the API and develop stuff (modules) for Apache.

**9. XML/HTML****Rating:** \_\_\_\_\_

1. I know that HTML is for writing web pages, but I've never written a web page with it.
2. I can write a simple web page using HTML.
3. I know all the basic HTML commands (tables, frames) and have done some simple cgi.
4. Not only do I know HTML, I can do dynamic HTML and XML templates.
5. I've developed entire web sites, with all the bells and whistles. I follow the standards discussions.

**10. PHP****Rating:** \_\_\_\_\_

1. It's another scripting language.
2. My friend has done some programming with PHP, but I've only look at some PHP code.
3. I've played with PHP, but I have to read the manuals to do anything with it.
4. Sure, I've programmed PHP. It's a nice language.
5. I've done a bunch of PHP programming.

**11. ASP.NET****Rating:** \_\_\_\_\_

1. I know it's something for development web by Microsoft, but I really don't know much about it.
2. It's a web scripting language from Microsoft; it's like PHP or JSP or CGI.
3. I've used ASP before, but I have to read the manuals to do much with it.
4. I've done ASP development and I can do most of the basic work without help.
5. I'm nearly a Microsoft certified ASP developer.

**12. COM/ActiveX****Rating:** \_\_\_\_\_

1. I've heard about COM and OLE stuff from Microsoft, but I've never used it.
2. COM/DCOM/COM+ is Microsoft's improved distributed object architecture; I've it once or twice.
3. I can work with the COM/OLE, but need documentation in front of me.
4. Sure, I do development with COM/VC++ all the time; it's good stuff.
5. I'm nearly a Microsoft certified COM developer.

**13. SQL/Database****Rating:** \_\_\_\_\_

1. I took the database course so I know what it is and I did the labs.
2. I've had to use SQL a couple of times, but I have to check the manuals to remember it.
3. I've done some simple database development using one of the available RDBMS.
4. I can do SQL, and even done it on different RDBMS (I know the differences between them).
5. I'm a pro DBM.

**14. Graphics****Rating:** \_\_\_\_\_

1. I've played around with some packages (gimp, illustrator).
2. I took a graphics class.
3. I can do some basic programming (DirectX or the like) but I need a manual around.
4. I'm pretty good at graphics programming and have played with things like VRML, Java3D, POV-Ray.
5. I know DirectX (or X or Java or something) by heart and I can write graphics applications with ease.

**15. IIS****Rating:** \_\_\_\_\_

1. I know it's a Microsoft product, but I don't know much about it.
2. It stands for Internet Information Server; it's a Microsoft web server, but I've never used it.
3. I've installed it and run it, but never configured it.
4. Sure, I run IIS servers all the time and I know how to update them too.
5. I'm almost a Microsoft certified IIS admin.

**16. AJAX****Rating:** \_\_\_\_\_

1. I don't know much about it.
2. It stands for Asynchronous JavaScript and XML.
3. I've used AJAX at least once successfully.
4. I've used AJAX quite a few times, and I've created a few web apps that are useful.
5. I am very experienced with AJAX.

**17. Ruby on Rails****Rating:** \_\_\_\_\_

1. Doesn't ring a bell.
2. I've heard of it.
3. I've used Ruby on Rails once, successfully.
4. I've use Ruby on Rails quite a few times, and I've created a few apps that are useful.
5. I am very experienced with Ruby on Rails.

**18. WPF/XAML****Rating:** \_\_\_\_\_

1. Don't know much about it.
2. Windows Presentation Foundation is a web presentation technology.
3. I've used WPF at least once, and I'm comfortable with XAML.
4. I've used WPF a few times, and I've created some neat stuff.
5. I am so great with WPF.

**19. SNMP****Rating:** \_\_\_\_\_

1. I don't know much about network stuff.
2. It's a common network management protocol – I 'm vaguely familiar with it.
3. I'm comfortable with it. I could tell you about Agents and MIBs.
4. I have some experience and wouldn't have to spend any time learning it if I needed to use it.
5. I am very experienced with SNMP.

**20. SOAP****Rating:** \_\_\_\_\_

1. I use SOAP when I shower.
2. I know what it is – a protocol for allowing apps to communicate using HTTP, based on XML.
3. I've used the SOAP protocol once, successfully.
4. I've used the SOAP protocol quite a few times.
5. I am very experienced with the SOAP protocol.