

Lab #0

Welcome!! Wish you a great semester.

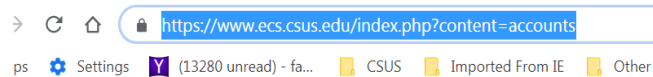


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**Please ask for help if you have any questions so that I can help you.
You don't need to turn anything in for this lab**

1. Create an ECS account.

- a. Go to the website <https://www.ecs.csus.edu/index.php?content=accounts>, click on "Apply for a new ECS account". If you already have an account skip this step. Once you applied a lab assistance will help you.



ECS COMPUTING NETWORK ACCOUNTS

Why do I need an ECS Account?

- To work on class assignments
- Free web-based E-Mail
- 1.5GB of personal storage space
- Access to all ECS Workstations and Servers including Windows, Unix, and Mac
- Free web space to build websites or applications using Open Source programming tools such as PHP, MySQL
- Access ECS licensed software including downloads from Microsoft's MSDN Alliance
- It is active until six months after graduation

Request or Modify

- Apply for a new ECS account (Windows/Unix)
- Request new password for your account
- Change your account's disk quota
- Request a MySQL Database

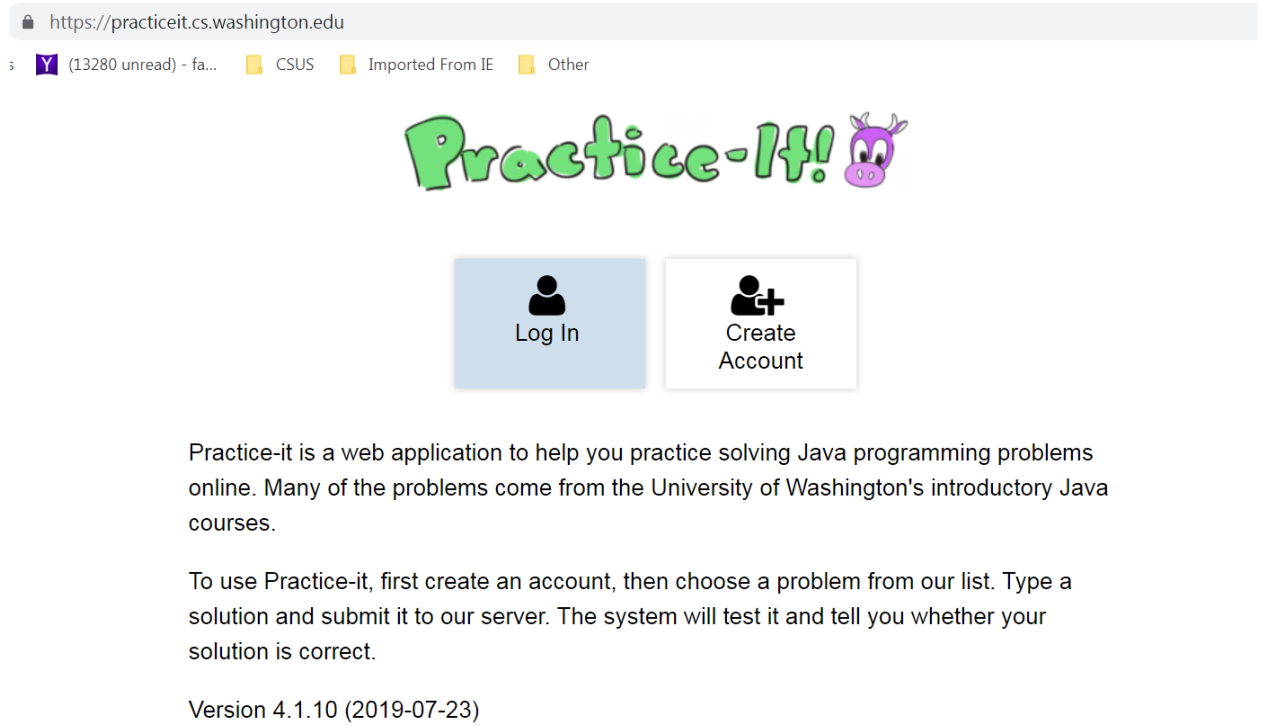
Wireless Access

Campus wireless (Saclink and Saclink Secure) is available throughout Riverside Hall and most of Santa Clara Hall.

- [Wireless Help](#)

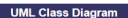
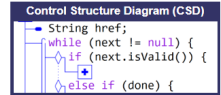
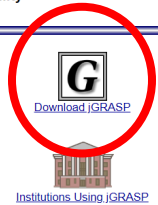
Off-Campus Access

2. Create a practice-it account. Visit the website: <https://practiceit.cs.washington.edu/> to create a practice-it account. For the school choose "California State University Sacramento"



3. You can get connected to ECS servers to have access to the software we have on these servers. Please visit the following link to find out more information:
http://www.ecs.csus.edu/computing/help_docs/Connecting_to_Hydra-Windows_and_Unix.pdf
4. We will be using JGrasp IDE to write programs this semester. If you wish to have this IDE on your own personal computer please follow the following steps at home:
 - a. Visit : <https://www.jgrasp.org/>
 - b. Click on the "Download JGrasp"

The [jGRASP Plugin for Eclipse](#) version 1.0.0 Beta 5 (June 9, 2019) is available. This adds viewer and canvas features to the Eclipse Java debugger.



Documentation

[jGRASP Help](#)
[JavaFX Setup](#)
[Mac OS X Setup](#)
[Online Papers](#)
[FAQ](#)
[Known Bugs](#)
[Version History](#)
[Future Plans](#)
[Login API \(zipped\)](#)
[Accessibility](#)
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Intro Videos

New Releases

jGRASP version 2.0.5_08 Beta is our first release that is bundled with OpenJDK (also Checkstyle and JUnit 4).

jGRASP version 2.0.5_07 fully supports AdoptOpenJDK, Corretto, Zulu, Red Hat, Liberica, and SapMachine OpenJDK distributions.

The [jGRASP Plugin for Eclipse](#) version 1.0.0 Beta adds "run in canvas" capability.

jGRASP version 2.0.5_06 Beta adds simple settings for JavaFX on Java 11 and higher.

jGRASP version 2.0.5_03 finalizes Java 11 support.

jGRASP version 2.0.5 Beta introduces CSD support for new Java 11 syntax (var in lambda parameters), and UML support for changes to the class file format in Java 11.

Scroll down the page, choose the proper bundle for your computer.

If your virus scanner flags one of our files, please let us know by email (see the "Contact Us" link on this page) immediately. In the past this has always been due to false positives.

If the Windows or macOS installer fails, you can download the zip file and follow the instructions for [manual installation](#) (but please report the problem anyway).

jGRASP 2.0.5_08 (August 16, 2019) - requires Java 1.6 or higher

[jGRASP.exe](#) Windows (Vista or Higher): self-extracting executable (5,906,016 bytes).

[jGRASP.pkg](#) macOS: pkg install file (requires admin access to install) (6,928,216 bytes).

[jGRASP.zip](#) Linux, UNIX, and other systems: zip file (7,157,626 bytes).

jGRASP 2.0.5_08 (August 16, 2019) - requires Java 1.6 or higher

Bundled with OpenJDK 12.0.2, Checkstyle 8.23, and JUnit 4.12

[jGRASP Bundled.exe](#) Windows 64 bit (Vista or Higher): self-extracting executable (180,243,488 bytes).

[jGRASP Bundled.pkg](#) macOS 64 bit: pkg install file (requires admin access to install) (208,131,951 bytes).

[jGRASP Bundled.zip](#) Intel Linux 64 bit: zip file (221,292,888 bytes).

jGRASP Plugin for Eclipse version 1.0.0 Beta 2 (February 26, 2019)

[Installation Instructions](#)

After the download is done, open it and just click next until it says finish. Now you have the JGrasp on your computer to write a Java program.

5. JGrasp Tutorial: This step should be done by the next class meeting. Click on the "Getting started" and watch the video on how to use the JGrasp

Download

To run jGRASP and develop Java programs, you will need the JDK with Java version 1.6 (JDK 6) or higher. You can get this by installing a jGRASP distribution that is bundled with OpenJDK. Otherwise, you may use any Java distribution, but we currently recommend an OpenJDK distribution that has installer packages for Windows and MacOS, such as [AdoptOpenJDK](#). On Linux and Unix systems, the JDK or JRE "bin" directory must be on your system path.

Documentation

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Intro Videos

[Getting Started](#)
[Canvas \(new\)](#)
[Interactions](#)

Tutorials (PDF)

[Overview \(2.0\)](#)

Please fill out the following survey. This is not required, but it will help us to understand how and where jGRASP is being used.

| User Information | Organization Information (sysadmins and educators) |
|--|--|
| Type of User: <input type="text" value="-- Select --"/> | Institution/Company: <input type="text"/> |
| Uses: <input type="checkbox"/> Development <input type="checkbox"/> Maintenance / Rev. Eng. | Location: <input type="text"/> |
| <input type="checkbox"/> Computer Lab <input type="checkbox"/> Instruction | Website: <input type="text"/> |
| <input type="checkbox"/> Code Review <input type="checkbox"/> Evaluating jGRASP | Number of Users: <input type="text"/> |
| General Comments (please report problems to jgrasp@auburn.edu) | |
| <input type="text"/> | |
| We will not release your name or email address under any circumstances. If you are uncomfortable giving us your name or email address, leave those fields blank, but please fill out the user information above. | |
| Email: <input type="text"/> | Name: <input type="text"/> |
| If you do not check "OK to contact me.", your email address will be used only to track downloads over time. Otherwise, we may contact you in rare circumstances to notify you of important information about jGRASP or to possibly conduct a survey related to jGRASP use. | |
| <input checked="" type="checkbox"/> OK to contact me | |