

Homework 1

CS 499
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In this homework, you will install the Eclipse Interactive Development Environment (IDE) on your workstation and checkout the identity management (idmgmt) Perl code that manages much of Cal Poly Pomona's authentication and authorization infrastructure.

0 Install the Eclipse IDE and checkout the idmgmt code. There is nothing to hand in (or any way to cheat) for this problem, just the installation hurdles.

- Download and install the Eclipse IDE on your Windows, MacOS, or Linux operating system (OS). I installed the Eclipse IDE for Java Developers; could you use the Eclipse IDE for C/C++ or PHP Developers instead, since an add-in is needed to support Perl development? Must you already have Java installed on your OS? See

<https://eclipse.org/downloads/>

- Start Eclipse. From within, install the EPIC—Perl Editor and IDE for Eclipse—add-in. Must you already have Perl installed on your OS? See

<http://www.epic-ide.org/download.php>

- Still within Eclipse, install the Subclipse—Subversion within the Eclipse IDE—add-in. Must you already have a Subversion client installed on your OS? See

<http://subclipse.tigris.org/>

- Still within Eclipse, checkout the idmgmt Perl code from my Subversion repository. Must you already have an SSH client installed on your OS? The repository's URL is

`svn+ssh://login.cpp.edu/user/carich/idmgmt`

1 Show the entire directory hierarchy of the idmgmt code repository. Include all directories and files, except the contents of the tags subdirectory (which contains historical snapshots). It's tree-structured, so you can show it in outline or graphical form; try not to transcribe it manually.

2 For each of the files within the doc subdirectory, when was the last update and who made it?

3 List the names of the subroutines in the User.pm and Group.pm modules. Indicate which subroutines function as setters, as getters, or as static factories.