Assignment 1: Hello ETH

October 24, 2005

Hand-out: 25 October 2005
Due: 1 November 2005

Calvin and Hobbes© Bill Watterson

1 Getting started

Goal

The goal of this exercise is to familiarize you with the infrastructure provided by ETH Zurich. In particular, you should learn how to use e-mail and the web-based forum. Please solve the assignment on your own.

To do

• Log in to a computer in one of the computer rooms. The location of the computer rooms is given in the information sheet that you received.

• Log in to the n.ethz.ch account administration page (https://n.ethz.ch/cgi-bin/admin_tool/main.cgi). After logging in you should see the welcome screen (Figure 1). Click on “Passwort ändern” (top of screen), change your password (Figure 2) and log out. After this you can log on to ETH

Your password should be simple enough for you to remember; yet it should be complex enough so that other people cannot guess it. See password recommendations at CERN: http://security.web.cern.ch/security/passwords/
student web-mail interface (http://mail.student.ethz.ch/) with your user
name and your newly set password.

- Try to find the Eiffel development environment - EiffelStudio - on the
  machine that you are using.
IMPORTANT: Make sure that you have subscribed to this course (and all the other courses you attend this term) on [http://www.einschreibung.ethz.ch/](http://www.einschreibung.ethz.ch/). Otherwise you might NOT get your testat.

Hint

You will find that your n.ethz login and password are very useful on many other ETH web pages, e.g. the [http://www.einschreibung.ethz.ch](http://www.einschreibung.ethz.ch) page mentioned above.

To hand in

There is nothing to hand in; the task is accomplished as soon as you have subscribed to the course.

2 Information sharing

Goal

- Get used to the online forum (see Figure 3).
- Post your (possibly first) message in the forum.
- Visit some interesting websites.

To do

- Create an account in the forum (click on “Registrieren”).
- Find the discussion thread of your group and post a message there. The message should include a link to a website that is of relevance to either:
  - Starting out at ETH
  - Student life in Zurich
  - Introduction to programming & Eiffel
- Visit some of the links posted by your group members.

Hint

Try to post a link to a web page that could be of real interest to all your fellow students. Example message:

- The ETH Mensa page [http://www.mensa.ethz.ch](http://www.mensa.ethz.ch)
  It contains information about the opening hours and daily menus of all ETH refectories, cafeterias, and bars.
3 Searching for information

Goal

- Learn how to search for information using Internet-based tools.
- Discover the ETH libraries.

To do

Write down your answers on a separate sheet, giving the question numbers (3.1 etc.).

3.1 Answer the following questions (in your own words, without using any dictionaries, encyclopaedia, etc.):

- What is computer science?
- What is programming?
• What is software?
• What is hardware?

3.2 Now try to find definitions of these four terms using online search tools. Write down the one you find most appealing. You can use the popular search engines

- Google: [http://www.google.com](http://www.google.com)
- MSN Search: [http://www.msn.com](http://www.msn.com)
- Yahoo: [http://www.yahoo.com](http://www.yahoo.com)
- Altavista: [http://www.altavista.com](http://www.altavista.com)


3.3 Compare the definitions you found with your own. Are they very different? Did you expect such differences?

Figure 4: NEBIS catalogue

3.4 Go to the websites of the ETH libraries:

• main ETH library: [http://www.ethbib.ethz.ch/index.html](http://www.ethbib.ethz.ch/index.html)

and try to find there books whose title contains terms “computer science” or “programming” (you don’t have anything to submit for this question).

3.5 You’ve been told that there’s a book of which one of the authors is “Ner-son” and it’s called something like “Object-Oriented Projects” or maybe “Object-Oriented Developments”. If you needed this book, where would you get it?

**Hint**

The easiest way to find a book in one of the ETH libraries is to search for it in the NEBIS catalogue: [http://www.nebis.ch](http://www.nebis.ch) (see Figure 4). Books that are available in the D-INKF library are marked ETH-INFK-(Zuerich), those available in the main ETH library are marked ETH-BIB-(Zuerich).

**To hand in**

• Submit the best definition you can think of for computer science and programming based on the information you have gathered (tasks 3.1 to 3.3).

• Have you found the book (task 3.5) in one of the libraries? What is the full title? Who are the authors?

Write down your answer on a sheet of paper and hand it in to your assistant.