

GEM 1501 Problem Solving With Computers

Assignment 02: Using Mozart

1. Go to the web site of Oz/Mozart at <http://www.mozart-oz.org> and read about its features, aims and goals.
2. Download Oz/Mozart from <http://www.comp.nus.edu.sg/~gem1501/mozart.msi> and install it on your PC. If you have problems with installing the “msi” file, download instead <http://www.comp.nus.edu.sg/~gem1501/mozart.exe> and install it on your PC.
3. After installation, try to start Mozart by clicking “Start” → “All Programs” → “Mozart” → “Oz Programming Interface”

If you get an error “Cannot find GNU Emacs or XEmacs”, you can do the following:

- In Windows XP, right-click on “My Computer”, go to “Properties”, “Advanced”. Click on “Environment Variables”. Click on “New” and add a variable with the name “OZEMACS” and the value “c:\Program Files\XEmacs\XEmacs-21.4.6\i586-pc-win32\xemacs.exe”, both without the quotation marks. Then “OK” all those windows, and try “Start” → “All Programs” → “Mozart” → “Oz Programming Interface” again.

- In Windows 98, load the file C:\AUTOEXEC.BAT in your XEmacs, add the following line at the end

```
SET OZEMACS=c:\Program Files\XEmacs\XEmacs-21.4.6\i586-pc-win32\xemacs.exe
```

and save the file. Then re-boot your computer, and try “Start” → “All Programs” → “Mozart” → “Oz Programming Interface” again.

- Alternatively, in both Windows 98 and Windows XP, you can download the program <http://www.comp.nus.edu.sg/~gem1501/mozart.bat> and place it on your Windows Desktop. Double-clicking this program should start Mozart.

4. Mozart actually runs inside the XEmacs editor that you are already familiar with. After starting Mozart, you get an XEmacs with a split screen. The XEmacs buffer on the top is called “Oz”. In this buffer, enter the line

```
{Browse 'hello world'}
```

Then click in the top menu bar of XEmacs on “Oz” → “Feed Buffer”. This should lead to the display of `'hello world'` in a separate “Browser” window.

5. Any errors please report to gem1501@comp.nus.edu.sg.