

### Aufgabe 3: LED module (12 pts, submission deadline Wed, 11/27/08 8:00 pm)

Implement the LED module **led.c** of the SPiCboard library yourself and develop a test program **test.c**, that tests the entire interface of the LED module. Your test program may use other modules of the library at discretion. You could, for instance, use the ADC module to read the photo sensor's value and use the LED level display to show the current level of brightness in the room.

In addition, you should also compare your **led.c** implementation with our reference implementation by linking your test program against the library. Ensure, that both implementations behave identically.

The interface of the LED module is available online as part of the library's API documentation:

*[http://www4.informatik.uni-erlangen.de/Lehre/WS08/V\\_SPIC/Uebung/doc/](http://www4.informatik.uni-erlangen.de/Lehre/WS08/V_SPIC/Uebung/doc/)*

You may copy the header file

*[/proj/i4spic/pub/i4/led.h](#)*

to your working directory.