

Aufgabe 5: 7-segment module

(12 pts (+8 conceptual exercise), submission deadline Wed. 12/10/08 8:00pm)

Implement the 7-segment module **7seg.c** of the SPiCboard library yourself. Test your module by linking it with your implementation of assignment 4 and optionally create a test program to test the functionality of the other functions of the 7seg module. When implementing your module avoid any conflicts with other modules that might use other portions of the hardware ports used by the 7seg module. You may use the other modules of the SPiCboard library if these facilitate the implementation of the 7seg-module - the timer module may be particularly useful to implement the fast switching between the two displays.

The interface of the 7seg module is available online as part of the library's API documentation:

http://www4.informatik.uni-erlangen.de/Lehre/WS08/V_SPIC/Uebung/doc/

You may copy the header file

[/proj/i4spic/pub/i4/7seg.h](#)

to your working directory.