

Faculdade de Engenharia da Universidade do Porto



Laboratório de Computadores

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Relatório realizado no âmbito da
Licenciatura em Engenharia Informática e Computação

Maio 2022

1.Functionalities desired

Our project is going to be a text editor, with which the user will be able to read and write files.

2. Devices

Timer

Role: used to make the text cursor blink.

Keyboard

Role: used to input text. It'll be configured to deal with interrupts on key presses and key releases.

Video Card

Role: used to display the buttons (to add another keyboard and to exit) and everything that is written by the user. It'll be configured to work in graphics mode with direct color encoding.

Mouse

Role: used to control some buttons and move the text cursor. It'll be configured to deal with interrupts on movement and button presses.

Serial Port

Role: used to allow the possibility of using two keyboards.

3.*Work plan*

1st week: Window frame and text cursor (timer);

2nd week: Keyboard input with xpm to each character;

3rd week: Mouse and buttons;

4th week: Serial port and documentation.