Names:

RENE MIRANDA

EDWARD JACOBS

Desk number: 9

Date:10/25/12

Experiment number: 6

Purpose of experiment:

To test the mouse funcionality

New topics addressed in experiment:

INT33

Additional questions for Experiment 6

1. Suppose a user wants to use the mouse to select action 2 — add. Explain (and include relevant assembly language code) how your program recognizes this selection.

On the first place, we need to detect the presence of a mouse by implementing the INT 33H Function 0H.

Next, Displays the mouse cursor by INT 33H Function 1H, and finally

Gets current mouse cursor position by INT 33H Function 3H.

After the last one step we going to compare the register BX with 1 if BX =1 it means that the user had pressed the left click, subsequent we need to divide the cx and dx by 8d and the remainder will be the position of the row and column clicked, then we need to compare both results by the position of the action 2 on screen, and if both position are equal to the remainder of the CX,DX respectively then we call the add procedure.

2. Could your program be modified to work with using only the mouse to select an action (1, 2, 3, 4, or quit)? If so, then generally explain how to do so and whether or not the program would be simpler. If not, then explain why not.

Yes, we only need to remove the INT 16 option 1H and leave the INT 33 Function 2H in order to keep the mouse functionality and exclude the user keyboard input