**VENDING MACHINE - functionality:**

1. All controls and indicators are initialized to default values

2. When starting the program, SCREEN is filled up with data given in the configuration file. The data have to be sorted regarding their index in the configuration file.

3. The user inserts money with the control button Deposit. Each press inserts 1$ coin, the money are accumulated and shown on the Status indicator.

4. When the money are inserted, the product is selected with the Keyboard buttons. You must insert letter and then number, otherwise the selection is not legal. When a „legal“ product is selected the available money and the price of the product are compared. If there is not enough money, the Status indicator displays “Insufficient funds”. If there is anough money for the purchase, than pressing the Change button win give back the remaining money.

5. When the product is sucesfully selected, user press the control button Dispose. The timer counts down 5s and updates the elapsed time on the Elapsed time indicator, moreover the LED indicator Disposing is turned on.

6. When the dispose is finished, the quantity is decreased and written into the configuration file.

7. The program refreshes the SCREEN indicator with the new quantities and new purchase can be realized.

8. The STOP button can stop the program in any moment.