ASSEMBLY LANGUAGE PROGRAMMING PROJECT

Project Title: - "<u>String drawer</u>"

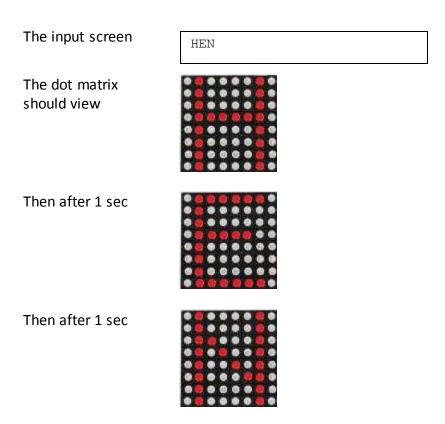
Description: - User enters a string in the LCD screen and then it's viewed on the dot

matrix character by character.

• Allowed characters are all English upper case characters and the numbers.

- Keypad has to have the ability of entering all the English characters through the numbers from 0 to 9 like old mobiles.
- Only red LEDs will be used in the dot matrix.
- A delay between each viewed character should be presented. For example 1 or 2 seconds.
- Bonus: Instead of delays between viewed characters, the characters should move from right to left.

Example



You will submit:

- A complete flow chart for your program
- Procedures description that contains

- $\circ \quad \text{Task accomplished by the procedure}.$
- $\circ \quad \text{List of input parameters and their usage}.$
- Description of any value calculated/returned by the procedure.
- Preconditions that must be satisfied before the procedure is called.