

Project 2:
EE224
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For Project II you will use the serial port to read data from a binary data file into your micro controller. You will use the `getc()` function to read in the file a character at a time. The data file will include a list of Usernames and Private Keys that you will need to store.

File Format:

[SOT][Char [15] UserName Null terminated short int Private Key][EOT]

example:

@@username0 123456\r\n

The end of the file is terminated with “\$\$\$”

1. You need to print the list to the terminal to verify the data has been read and stored correctly.
2. Once the file has been read into RAM your program should ask the user for a username.
3. When a username is entered your program should check if the user is in your list
if Yes: Print “username: private key”.
else: Print “User Not Found”.
4. Your program should loop continually asking for user input, until the micro is reset.