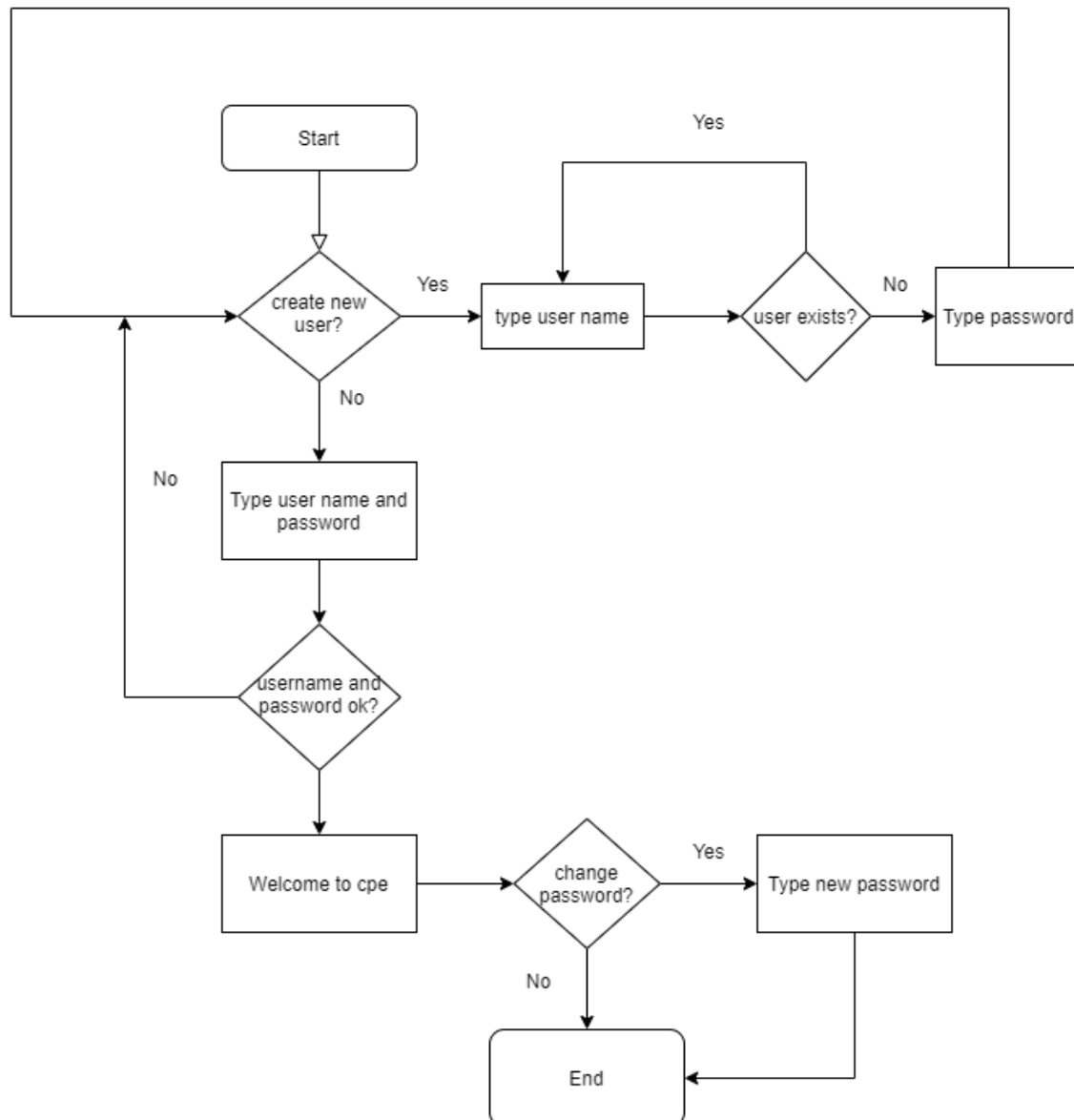# LAB 8 REPORT

1. **Theory**
    a. Serial communication in MSP430 is what allows it to communicate with another device. There are several ways of communicating with a computer. The one we use in this lab is called asynchronous, which means that the clock they use is different. That is why we need to set certain registers to accommodate what is called the baud rate so that both computers agree.
    b. UAH Serial app is a program developed by a UAH student that allows us to represent data versus time. This is something very helpful because sometimes we don't want to send characters and we prefer to plot floats ints etc.
2. **Questions**
    a. In LPM0 both CPU and MCLK are disabled.
    b. Unsigned int is 4 or 2 bytes which means that maximum time is 4,294,967,295 or 65,535.

```
Please enter your user name or press 1 to create a new user: juanasd
Enter your password: ******
Incorrect user name or password or timeout
Please enter your user name or press 1 to create a new user: 1
Enter user name: juan
Name already exists, try again
Enter user name: thomas
Enter password: coding
Please enter your user name or press 1 to create a new user: thomas
Enter your password: ******
Welcome to CPE 325
If you want to change your password press c: c
Enter new password and press enter. It shouldn't be more than 10 characters long and no special characters: isfun
New password is: isfun
```