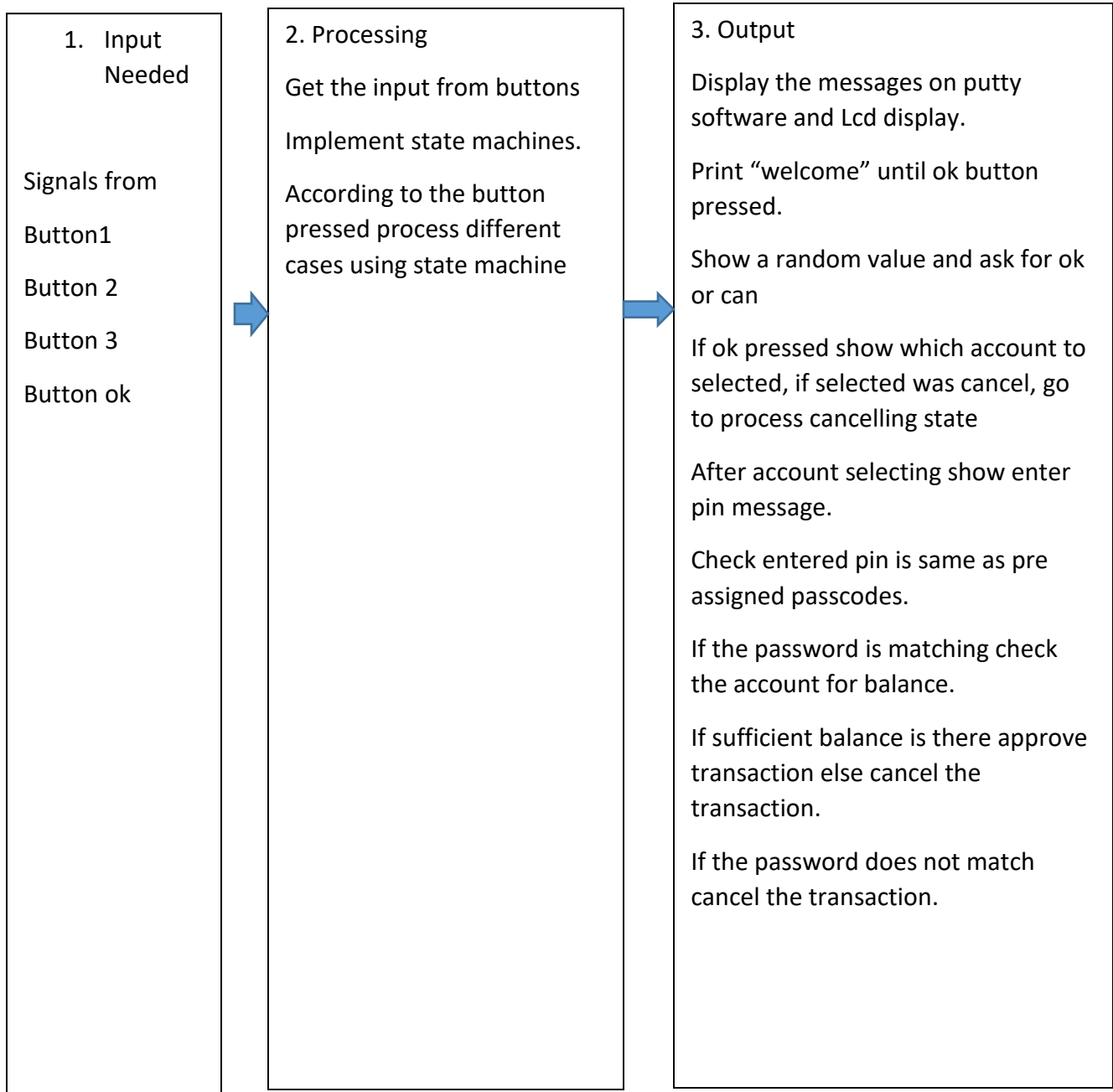


Objective:

Implement a simplified ATM using nucle-L432 board

Step 1:

Identify and break down elements needed for the solution into three areas:



Step 2

Identify what you don't know or know how to do.

How to read input from H push button.

How to go into the different stages when the buttons are pressed

The pin PA5 and PA6 is not giving output with pushbutton.

Step 3:

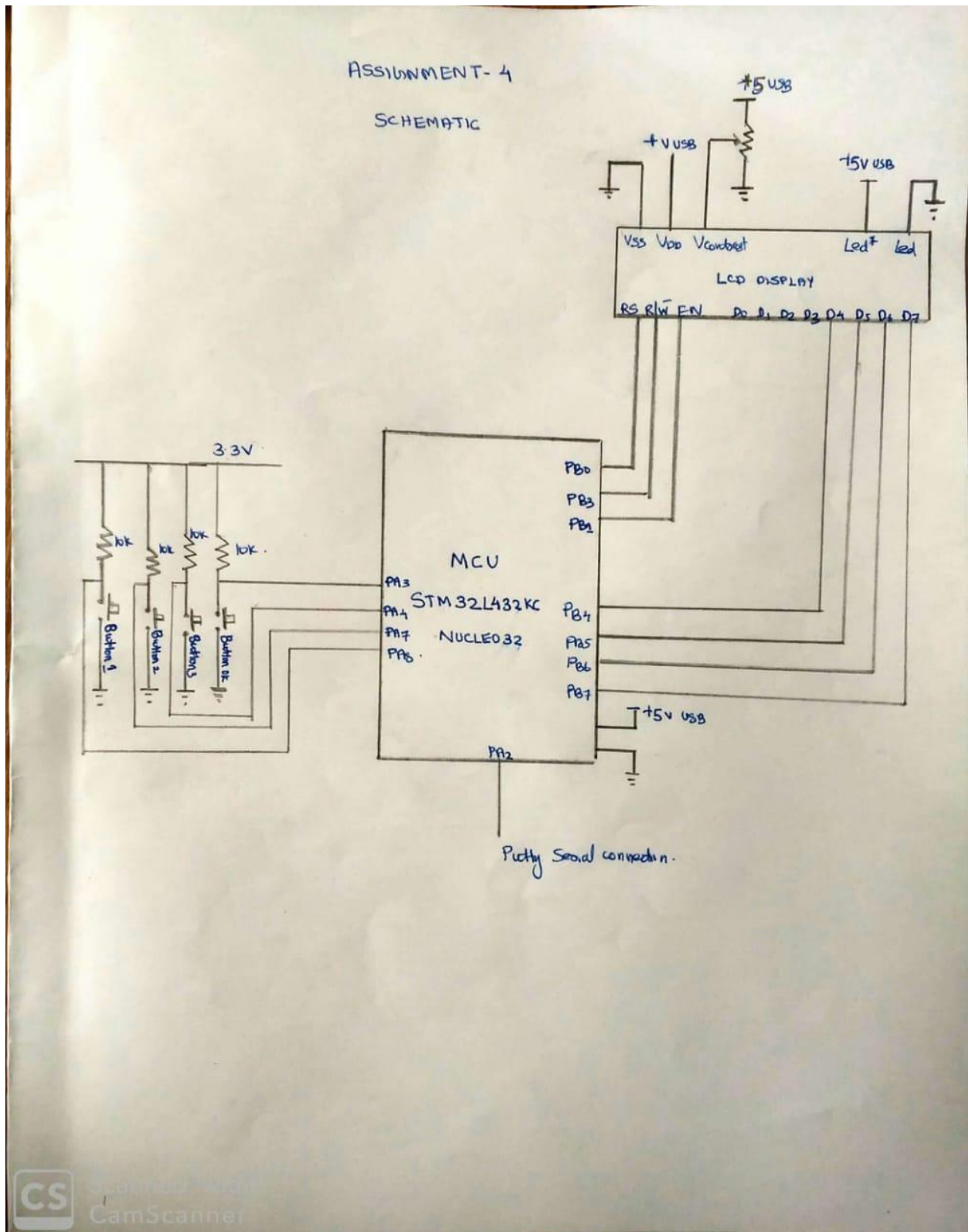
Find out/figure out what you don't know or know how to do.

The input from the push button is read by creating debounce source file and header file

State machine is implemented using switch statement with transaction state as argument.

Since the PA5 and PA6 is not working with pushbutton PA7 and PA8 is selected. The ports are not working because it has a connection that need to be unsoldered.

Schematic



Implemented circuit

