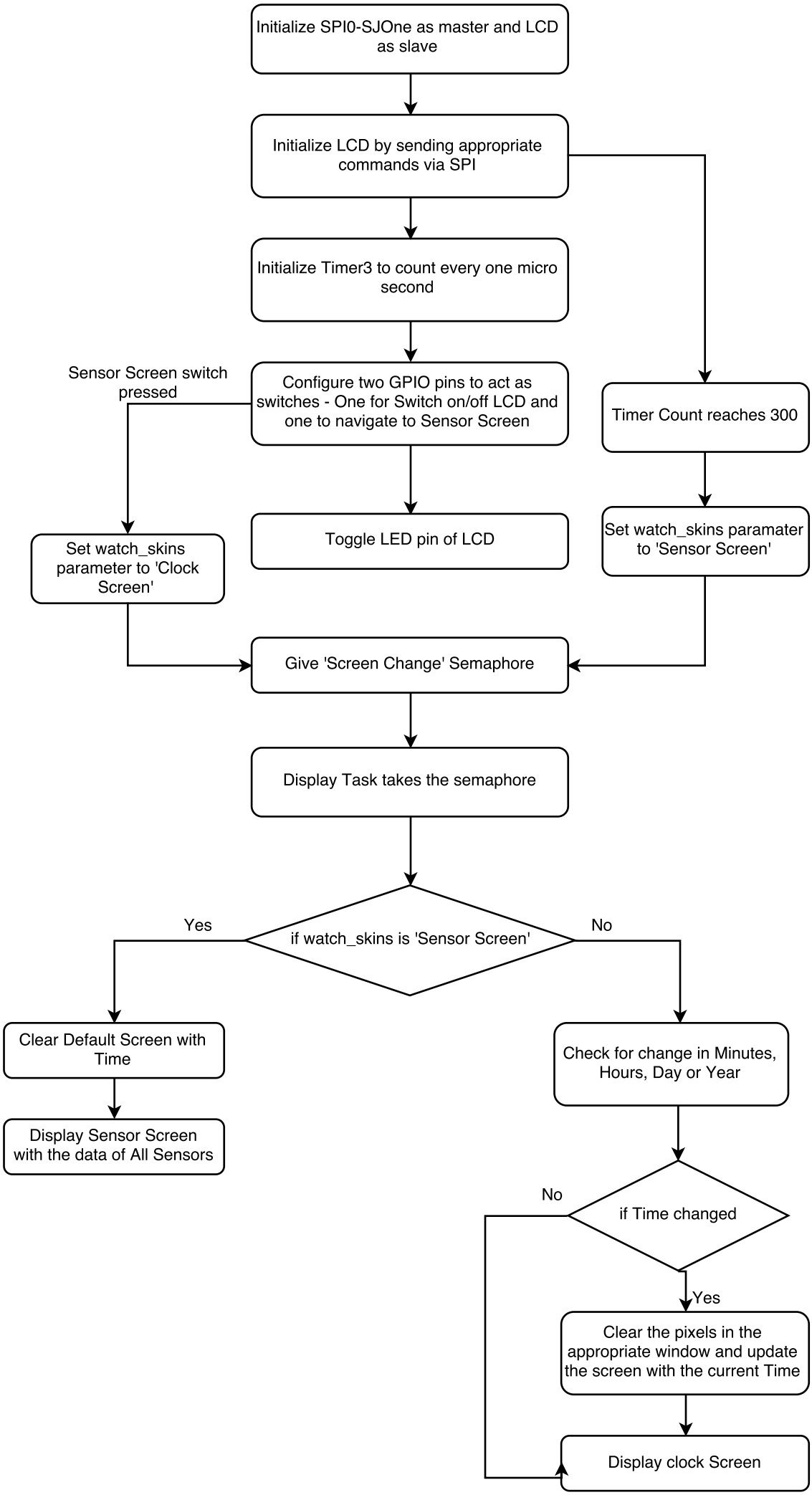
Initialize SPI0-SJOne as master and LCD as slave
Initialize LCD by sending appropriate commands via SPI
Initialize Timer3 to count every one micro second
Sensor Screen switch pressed
Configure two GPIO pins to act as switches - One for Switch on/off LCD and one to navigate to Sensor Screen
Timer Count reaches 300
Set watch_skins parameter to 'Clock Screen'
Toggle LED pin of LCD
Set watch_skins paramater to 'Sensor Screen'
Give 'Screen Change' Semaphore
Display Task takes the semaphore
Yes
if watch_skins is 'Sensor Screen'
No
Clear Default Screen with Time
Display Sensor Screen with the data of All Sensors
Check for change in Minutes, Hours, Day or Year
No
if Time changed
Yes
Clear the pixels in the appropriate window and update the screen with the current Time
Display clock Screen