Branched code can produce timing issue, such as fluctuating sample rate. Other major issue is pulse encoder **set point**. Due to variable time number of pulses counted, is going to be different, so error will be produced.

In edition, I learnt that planning the software in a notebook is very important. Make flowcharts, state diagrams, timing diagrams, etc are to made. A complete model of the software should be made. In edition I learnt how to take documentation be taking snapshots of the text, rather than coping the text.