1.   Software design flowchart:

Sound_Play

If
Sw3=0x20 — Yes → Tune for 440Hz → Reload= 2841

No

If
Sw2=0x10 — Yes → Tune for 494Hz → Reload= 2530

No

If
Sw1=0x08 — Yes → Tune for 262Hz → Reload= 4770

No

If
Sw0=0x04 — Yes → Tune for 349Hz → Reload= 3582

No

Return