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COEN 120
Personal Project
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Taking into consideration time and practicality, I have decided to make a system to control an adjustable bed. The bed will offer adjustable head and foot, massage and heat.

Movement Operations:

- Raise/lower head
- Raise/lower foot
- Reset to normal
- Emergency motor shutoff (automatic and manual)

Heat Operations:

- On/off
- Temp control
- Emergency shutoff according to temp readings (automatic and manual)

The massage feature will be comprised of five pairs spots: 2 at the head, 2 at the shoulder, 2 at the lower back, 2 at the knee, and 2 at the foot.

Massage Operations:

- On/off
- Intensity control
- Switch speeds for massage patterns.
- Emergency shutoff (automatic and manual)

Massage Patterns:

- Constant Any/All Selected Position(s) (head, shoulder, back, knee, foot)
- Alternate Any/All Selected Position(s) (top-to-bottom)
- Intensity Increase for Any/All Selected Positions
- Random Points (i.e. head right, back left or shoulder left, foot right, etc)

APPROVED

AS IS