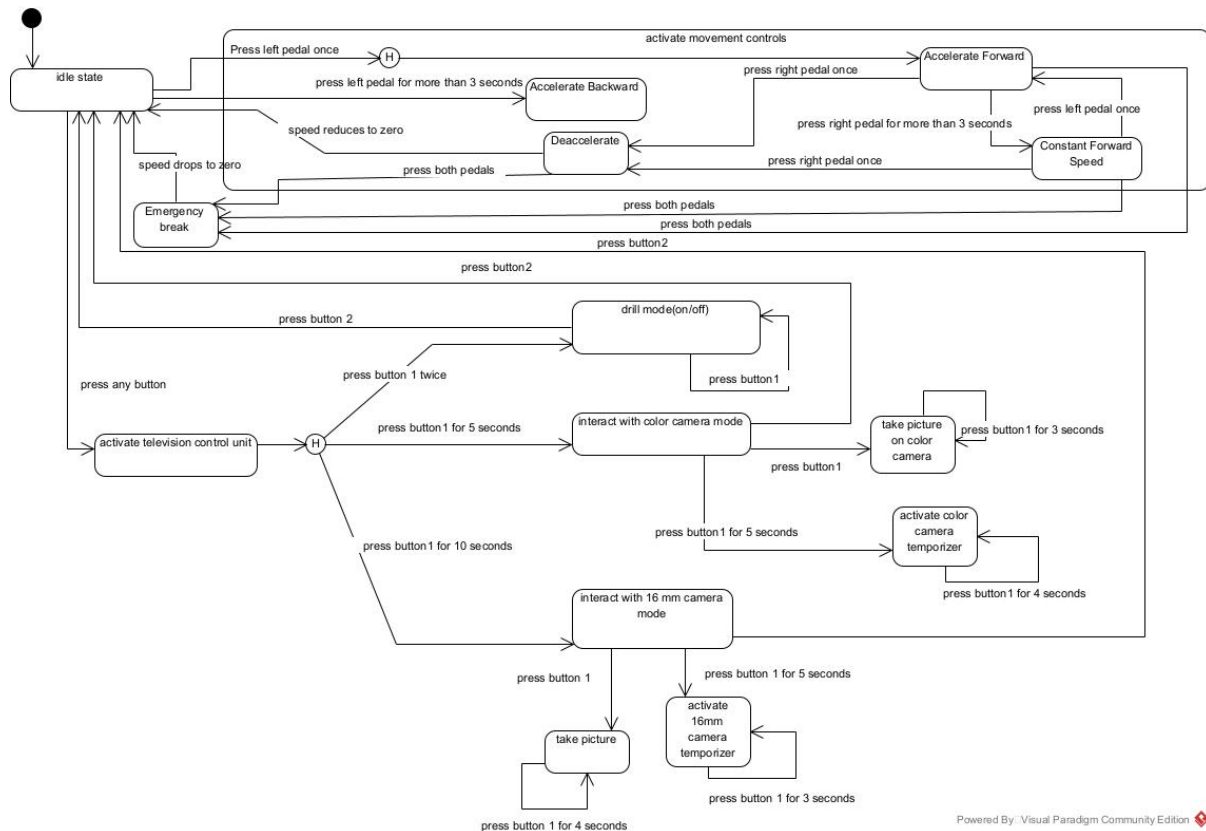

ASSIGNMENT 3 – UML STATE MACHINE

Part 2: Camera and Drill



Assumptions:

Buddy is on in the idle state.

Pressing both buttons together causes the emergency break to be deployed and in turn transitions to idle/rest state.

Pressing any button in idle state, activates the television control unit.

Once in any camera mode, to take additional pictures, press button1 for 4 seconds. This is assumed as pressing button1 twice might change the mode.

Once in any camera mode, to take additional moon selfies, press button1 for 3 seconds. This assumption is done as pressing the button for 5 seconds might change mode.

References:

<https://www.visual-paradigm.com/guide/uml-unified-modeling-language/about-state-diagrams/>

<https://chat.openai.com/>