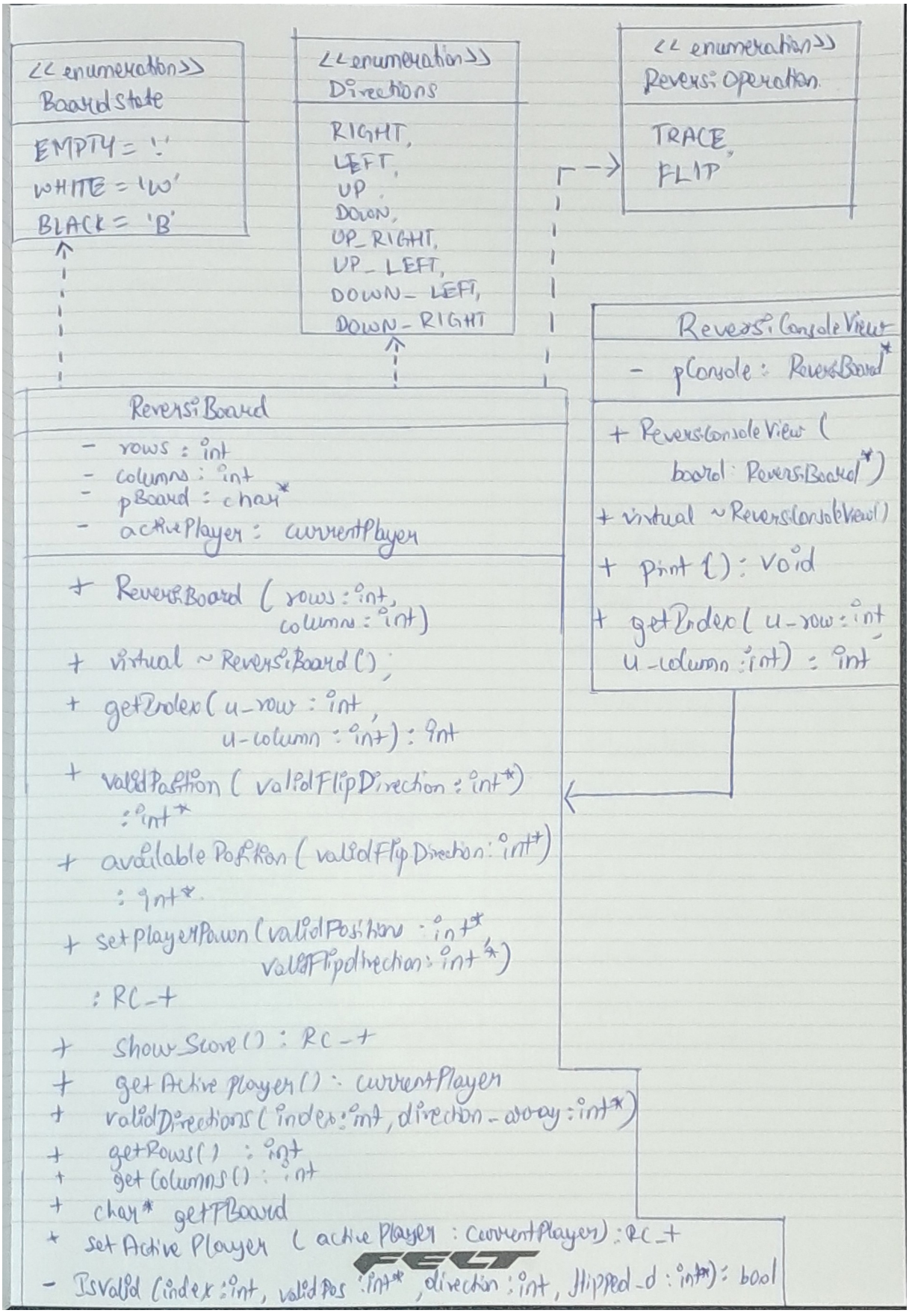
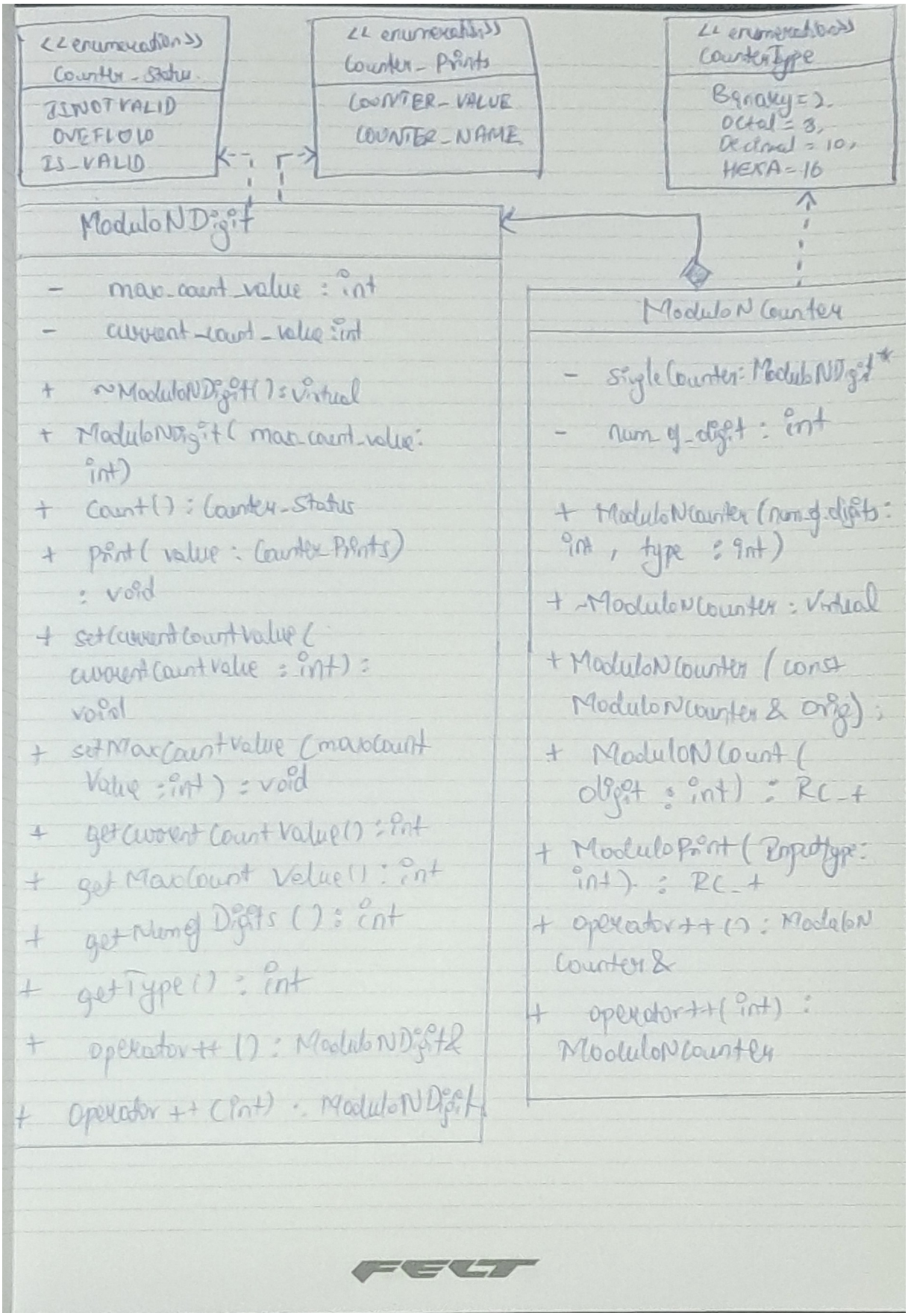
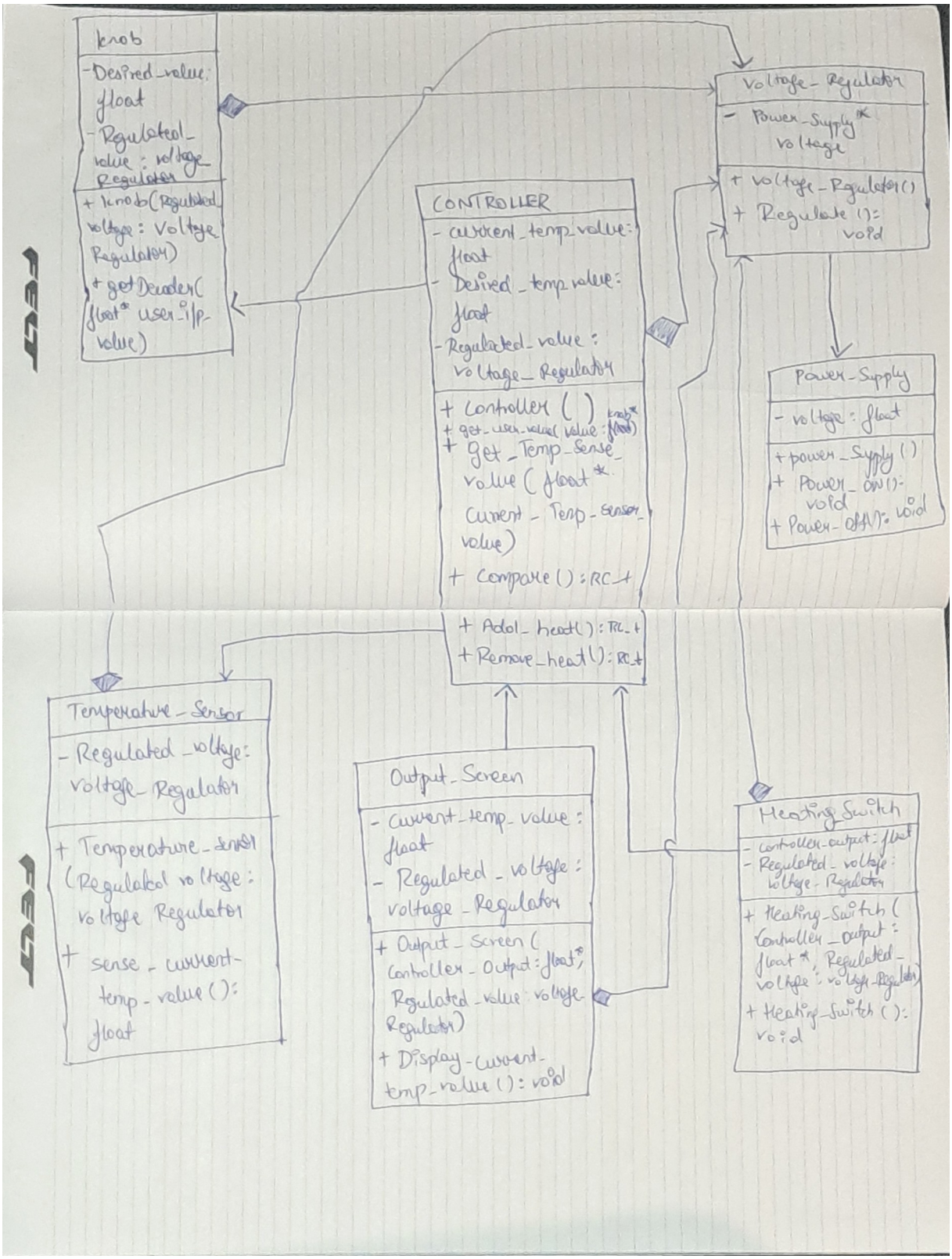
REVERSIGAME



MODULOCOUNTER



HEAT CONTROLLER



When the user inputs the desired Voltage, i.e. when they rotate the regulator, the degree it is turned is read by incremental Decoder, in the function getDecoderValue(), if the regulator is turned clockwise it would mean, the increase in temperature is requested and decrease in temperature is requested if the knob is turned anticlockwise. This information is read by the controller,temperature sensor also sense the surrounding Temperature and sends the Output to Controller. Now the Controller invokes the Compare() method, where the Current_temp_value from the Temperature Sensor and the Desired_temp_value from the knob class is compared. The compared Value is then passed to the Heating_Switch Class. This Invokes its constructor, which Switches ON the Heater if the desired value is more than the Current_temperature_value. Finally, The Output is sent to the Output Screen which invokes the Display_Current_Temp_Value() method. The Current value is then displayed on the screen of the Heater.

Additionally, The Power Supply is connected to the Voltage_Regulator class. Voltage_Regulator regulates the Incoming Power supply in the Regulator() method. This value is required by all other components in the Heater.