Touch Switch Using IC CD 4011- VERILOG CODE

A Special Assignment Submitted In The Partial Fulfilment Of

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```
module touch_switch(touch,remove,clk, ledon, ledoff);


input touch,remove,clk;
output reg ledon, ledoff;


always@(posedge clk)
begin


if(touch == 1)
begin
ledon = 1;
ledoff = 0;
end
else if(remove == 1)
begin
ledon = 0;
ledoff =1;
end
else if(touch == 0 & remove == 0)
begin
ledon <= ledon;
ledoff <= ledoff;
end
end
endmodule
```