* Prepare a **7-minute** individual English presentation to be delivered **on campus**.
* Use PowerPoint/Prezi/Google Slides/...
* Items to cover in your presentation:
  + Introduction of your project: similiar to 'Introduction' in the application note: which device did you build? What does it do? What are its main characterisctics? What is the reason you build this?
  + Results: similar to 'Results' in the application note: describe the end result. How does every aspect of your device work? Be detailed. If possible, give a live demo. Electrical schematics and PCB design not necessary!
  + Discussion: similar to 'Discussion' in the application note: reflect on and discuss your project.

Dia 1:  
Hello everyone, My name is Martijn Guilliams and I am going to talk about my 9 channel relay board.

Dia 2:  
So what does it do? If a button is pressed, the relay will turn on or off. And the state of the relay is displayed on the LCD display.  
Why did I picked this project? I picked this project because I can then use this board as a testbench for other project. Or I can reuse these relay for another project.

Dia 3:  
Now how does this work? Well firstly a 12V power adapter needs to be plugged in to the barrel connector. This 12V will then power the relays and Integrated circuit number 3. The 12V will also go to Integrated circuit number 1 which is a voltage regulator. This specific voltage regulator will regulate the voltage from 12 to 5volt.   
Integrated circuit number 2 and the LCD need these 5volts to operate. Integrated circuit number 2 reads the state of all the buttons and it signals Integrated circuit number 3 if a relay needs to be turned on or off. He also displays the correct state of all the relays.

Dia 4:  
Now I will give a live demo.   
The red led indicates when its powered. As you can all see, the relays are turned off. If I press this you will hear the clicking noise of the relay and it displays that it is on.  
  
Dia 5:   
And now a quick self reflection. I had two little problems. I accidentally ordered a IC socket and not a regular bigger socket. But luckily we found pins that had a larger and a smaller side. This meant that the LCD could fit this in socket.   
The second problem is that I underestimated the time that is needed the design a case. The case design is due this Friday and I still have some things that has to be done.

Dia 6:   
So I hope that you now all understand how my project works and if you don’t, ask your questions.