# A picture containing text Description automatically generatedScratch logo and symbol, meaning, history, PNG

**Pizza Maker**

Register/login at <https://scratch.mit.edu>

*Make a pizza from a* ***List*** *of toppings.*

1. Download the pizza dough from:  
   <http://codeclub67.github.io/images/dough.png>
2. Create a new background with the pizza dough image.
3. Chart

   Description automatically generated with medium confidenceDownload the pizza toppings from:   
   <http://codeclub67.github.io/images/toppings.gif>
4. Create a new sprite with the toppings. Look at the different costumes and try to identify them.
5. *Graphical user interface, text, application, chat or text message

   Description automatically generated***Make a List** called **pizza** (for all sprites), to list the toppings you want on your delicious pizza.

*Enter the names of some toppings into the list.   
Click* ***+*** *at the bottom of the List to add the first one.*

1. *Graphical user interface, text, application, icon

   Description automatically generated*Choose a sprite costume and name it to match the topping. Make the toppings the right size and then hide them by selecting don’t show.

*We want more than one of each topping!* ***Clone*** *them.*

1. Graphical user interface, application

   Description automatically generatedAdd sprite code that runs **when it starts as a clone**. Put the topping **randomly** on the pizza and **show** it.

Graphical user interface, application

Description automatically generated*Add code to the stage to scatter the pizza toppings.*

1. Select the stage and the code tab.
2. Start with a repeat loop for the number of toppings of each kind.
3. **Graphical user interface, application

   Description automatically generatedInside the loop**, and for each kind of topping, check **if** it’s **contained** on the **pizza** order.   
   If it is, then **clone** it.   
   This example checks for **tomato**. What topping did you choose?
4. Add a different pizza topping by **duplicating** the sprite.
5. Choose a different costume and name to match.
6. Graphical user interface, application, website

   Description automatically generatedOn the stage, duplicate the **if** block and add it straight after, inside the loop.
7. Change the names to the new topping.

*Add the toppings to your pizza order   
and run the code with the* ***green flag****.  
  
Add more toppings sprites to make your favourite pizza.*

***Save*** *your code with a good name.* ***File > Save now***