# Lab 7.03 - Kangaroo Class

## Instructions

* Finish writing the \_\_add\_\_ method for the time class from the Do Now.
* Write a definition for a class named Kangaroo with the following methods:
  + An \_\_init\_\_ method that initializes an attribute named pouch\_contents to an empty list.
  + A method named put\_in\_pouch that takes an object of any type and adds it to pouch\_contents.
  + A \_\_str\_\_ method that returns a string representation of the Kangaroo object and the contents of the pouch.

### Tips to give students

* This exercise is a cautionary tale about one of the most common, and difficult to find, errors in Python
* TypeError: Can’t convert ‘list’ object to str implicitly
* Use the str() function to convert the list object to a string.
* Test your code by creating two Kangaroo objects
  + assign them to variables named kanga and roo
  + add roo to the contents of kanga’s pouch

## Extra Credit

Return to your Pet class from Lab 7.02. Research the isinstance function to write a method, is\_friend that will take in another pet and return True if the two pets are friends, and false if they are not.

### Rules

* If they are both dogs they are friends.
* If the instance is a dog and the other pet is a cat, they are friends.
* If the instance is a cat and the other is a dog they are not friends.
* If they are both cats they are not friends.