

StringBuilder Activity

Create a project **stringBuilderActivity**.

** I use Customer class below, but you can pick any class from examples or project code that has some kind of a getInfo() method that returns a String of the class's info.*

Copy the **Customer** class from BankAccount example code to this new project's **src** folder.. The Customer class should have a method called **getCustomerInfo()** or similar that **returns** a String of a customer's info, like `String.format("Name: %s %s\n...")`, etc.

Create a new class called **CustomerRecord** (or similar).

In the class create:

- An ArrayList of Customers.
- A method to add Customers to the list
- A method that will **return** all the Customers' info from the ArrayList.
 - Instead of writing the method using String concatenation, like this...

```
public String getAllCustomers() {  
    String allCustomers = "";  
    for (Customer customer : customerArrayList) {  
        allCustomers += customer.getCustomerInfo();  
    }  
    return allCustomers;  
}
```

- ...write the method using **StringBuilder**, which will be more efficient.
 - In the above example, every time a Customer's info is concatenated to the allCustomers String, a new String is created (Strings are immutable—they can't be changed, so concatenation creates a new String.)
- Create a **Test** class with a main method. Create an instance of the CustomerRecord class and call the getAllCustomers() (or whatever you called your method) and print the String it returns.

Zip and submit the project folder to Canvas.