

Average Age

What's wrong with the following code?

```
1 import java.util.Collection;
2 import java.util.List;
3 import java.util.Objects;
4 import java.util.OptionalDouble;
5
6 public class AverageAge {
7     static OptionalDouble getMeanAge(Collection<User> users) {
8         return users.stream().mapToDouble(User::getAge).average();
9     }
10 }
11
12 class User {
13     private Integer age;
14
15     public User() {
16     }
17
18     User(Integer age) {
19         this.age = age;
20     }
21
22     int getAge() {
23         return Objects.isNull(age) ? -1 : age;
24     }
25 }
```

✓ Click here to expand...

Issue: In the `getAge()` method, if the `age` is `null`, it returns `-1`. This approach can skew the average age calculation, as it includes negative values in the calculation.

Fix: Either filter out users with `null` age values before calculating the average or set a default age value that makes more sense in the application's context.