Jean Markello Létang

300245679

Lien: https://github.com/Jean-Markello/seg3503_playground/tree/main

Test Case	Expected Results	Actual Results	Verdict
1	accepted		Pass
2	Error1		Fail

3	Error2	**User Registration** UserName: `mick` — **Size of UserName must be between 6 and 12** FirstName: `Micheal` LastName: `Ress` Email: `Ress@gmail.com` Age: `3` — **must be greater than or equal to 18** City: Halifax Postal Code: `K1K 2H3` Submit	Fail
4	accepted	**User Registration** UserName: `mick223` FirstName: `Micheal` LastName: `Ress` Email: `Ress@gmail.com` Age: `18` City: Ottawa Postal Code: `K1K 2H3` Submit Congratulations **Micheal Ress**!. You are now a member of our site..	Pass
5	Error3	**User Registration** UserName: `figh323` FirstName: `Marsha` LastName: `Loe` Email: `f@gmail.com` Age: `133` — **must be less than or equal to 64** City: Halifax Postal Code: `D1D 5H2` — **Wrong Postal Code format** Submit	Fail

Figure 1: DateNextDateExceptionTest

```java
You, 21 minutes ago | 1 author (You)
import java.util.LinkedList;
import java.util.List;

You, 21 minutes ago | 1 author (You)
public class DateNextDateExceptionTest {
    private List<Integer[]> date;

    public DateNextDateExceptionTest() {
        this.date = this.data();
    }

    private List<Integer[]> data() {
        List<Integer[]> date = new LinkedList<Integer[]>();
        date.add(new Integer[] { 1500, 2, 31 });          You, 21 mi
        date.add(new Integer[] { 1500, 02, 29 });
        date.add(new Integer[] { -1, 10, 20 });
        date.add(new Integer[] { -1, 10, 20 });
        date.add(new Integer[] { 1975, 6, -50 });
        return date;
    }

    public Integer[] testDateEx(int count) {
        return date.get(count);
    }

}
```

Figure 2: DateNextDateOkTest

```java
You, 22 minutes ago | 1 author (You)
public class DateNextDateOkTest {
    private List<Date> date;

    public DateNextDateOkTest() {
        this.date = this.data();
    }

    private List<Date> data() {
        List<Date> date = new LinkedList<Date>();
        date.add(new Date(year:1700, month:6, day:20));
        date.add(new Date(year:2005, month:4, day:15));
        date.add(new Date(year:1901, month:7, day:20));
        date.add(new Date(year:3456, month:3, day:27));
        date.add(new Date(year:1500, month:2, day:17));
        date.add(new Date(year:1700, month:6, day:29));
        date.add(new Date(year:1800, month:11, day:29));
        date.add(new Date(year:3453, month:1, day:29));
        date.add(new Date(year:444, month:2, day:29));
        date.add(new Date(year:2005, month:4, day:30));
        date.add(new Date(year:3453, month:1, day:30));
        date.add(new Date(year:3456, month:3, day:30));
        date.add(new Date(year:1901, month:7, day:31));
        date.add(new Date(year:3453, month:1, day:31));
        date.add(new Date(year:3456, month:12, day:31));
        return date;
    }

    public Date testDateOk(int count) {
        Date date1 = date.get(count);
        return date1;        You, 22 minutes ago • lab2 code …
    }
}
```

Figure 3-4: DateTest

```java
52 > ecs > test > 🔲 DateTest.java > 🔧 DateTest > ✪ testDateEx5()
      You, 24 minutes ago | 1 author (You)
  5   class DateTest {

  6

  7     @Test
  8     void nextDate_sample() {
  9       Date d = new Date(year:2020, month:5, day:3);
 10       assertEquals(new Date(year:2020, month:5, day:4), d.nextDate());
 11     }

 12

 13     @Test
 14     void testDateOk1() {
 15       DateNextDateOkTest dateOK = new DateNextDateOkTest();
 16       Date date = dateOK.testDateOk(count:0);
 17       assertEquals(new Date(year:1700, month:6, day:21), date.nextDate());
 18     }

 19

 20     @Test
 21     void testDateOk2() {
 22       DateNextDateOkTest dateOK = new DateNextDateOkTest();
 23       Date date = dateOK.testDateOk(count:1);
 24       assertEquals(new Date(year:2005, month:4, day:16), date.nextDate());
 25     }

 26

 27     @Test
 28     void testDateOk3() {
 29       DateNextDateOkTest dateOK = new DateNextDateOkTest();
 30       Date date = dateOK.testDateOk(count:2);
 31       assertEquals(new Date(year:1901, month:7, day:21), date.nextDate());
 32     }

 33

 34     @Test
 35     void testDateOk4() {
 36       DateNextDateOkTest dateOK = new DateNextDateOkTest();
 37       Date date = dateOK.testDateOk(count:3);
 38       assertEquals(new Date(year:3456, month:3, day:28), date.nextDate());
```

ROBLEMS 85   OUTPUT   TERMINAL   COMMENTS

```java
        assertThrows(IllegalArgumentException.class, () -> {
            new Date(date1[0], date1[1], date1[2]);
        });
    }

    @Test
    void testDateEx3() {
        DateNextDateExceptionTest dateEx = new DateNextDateExceptionTest();
        Integer[] date1 = dateEx.testDateEx(count:2);
        assertThrows(IllegalArgumentException.class, () -> {
            new Date(date1[0], date1[1], date1[2]);
        });
    }

    @Test
    void testDateEx4() {
        DateNextDateExceptionTest dateEx = new DateNextDateExceptionTest();
        Integer[] date1 = dateEx.testDateEx(count:3);
        assertThrows(IllegalArgumentException.class, () -> {
            new Date(date1[0], date1[1], date1[2]);
        });
    }

    @Test
    void testDateEx5() {
        DateNextDateExceptionTest dateEx = new DateNextDateExceptionTest();
        Integer[] date1 = dateEx.testDateEx(count:4);
        assertThrows(IllegalArgumentException.class, () -> {
            new Date(date1[0], date1[1], date1[2]);
        });
    }
```

TestResults:

```
'-- BitAndTest [OK]
  +-- [0] [OK]
  | '-- testAnd[0] [OK]
  +-- [1] [OK]
  | '-- testAnd[1] [OK]
  +-- [2] [OK]
  | '-- testAnd[2] [OK]
  '-- [3] [OK]
     '-- testAnd[3] [OK]

Test run finished after 95 ms
[         9 containers found      ]
[         0 containers skipped    ]
[         9 containers started    ]
[         0 containers aborted    ]
[         9 containers successful ]
[         0 containers failed     ]
[        39 tests found           ]
[         0 tests skipped         ]
[        39 tests started         ]
[         0 tests aborted         ]
[        39 tests successful      ]
[         0 tests failed          ]
```