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registration

fixing assets lab 2

17 hours ago



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final touches

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Lab 02 - SEG 3103 Playground

Team

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Link for deliverable

- https://github.com/CodingPatrick/seg3103_playground
- The pdf file of the screencapture is found in the submission folder in Brightspace

Exercise 1

To run the application, we entered the following command line

```
java -jar user-registration-app-0.1.0.jar
```

Then we visit the Local Host website.



After we fill out the table with Test Cases, Results and the Verdict

Test Case #	Test Case	Expected Result	
1	Username: A00000 FirstName: "" LastName: "" Age: 18 Email: +@-.AA City: Halifax PostalCode: A0A0A0	registration request accepted	r r a
	Username: zzzzzzzzzzzz FirstName: A		

3

User Registration

UserName:

FirstName:

LastName:

Email:

Age:

City:

Postal Code:

Congratulations **A Bob The Great!** You are now a member of our site..

4

User Registration

UserName:

FirstName:

LastName:

Email:

Age:

City:

Postal Code:

Congratulations **Bond James !** You are now a member of our site..

5

User Registration

UserName:

FirstName:

LastName:

Email:

Age:

City:

Postal Code:

User Registration

UserName: **Wrong UserName format
Size of UserName must be
between 6 and 12**

FirstName:

LastName:

Email:

Age:

City:

Postal Code:

6

User Registration

UserName:

FirstName:

LastName:

Email:

Age:

City:

Postal Code:

User Registration

UserName: **Size of UserName must be
between 6 and 12
Wrong UserName format**

FirstName:

LastName:

Email:

Age:

City:

Postal Code:

7

User Registration

UserName:

FirstName:

LastName:

Email:

Age:

City:

Postal Code:

User Registration

UserName: **Size of UserName must be
between 6 and 12**

FirstName:

LastName:

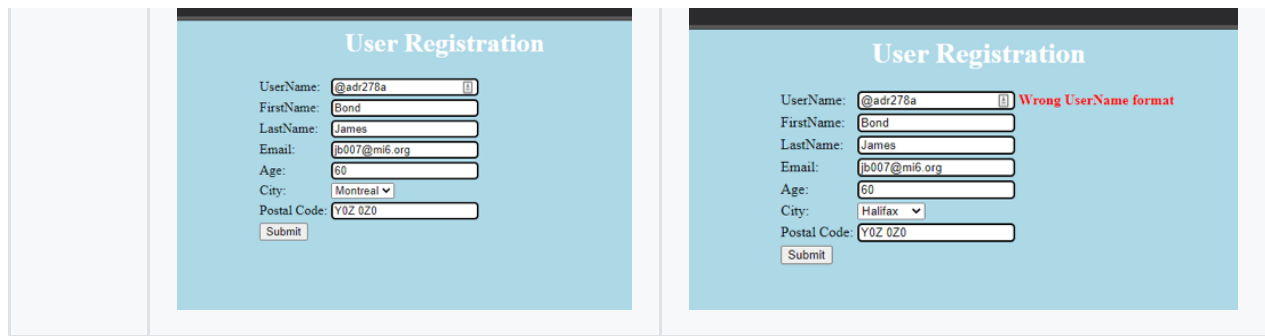
Email:

Age:

City:

Postal Code:

8



Screenshot of Tests before Exercise 2

Here is a screenshot of the terminal after running the tests with the following command lines:

```
javac -encoding UTF-8 --source-path test -d dist -cp dist:lib/junit-
```

```
java -jar lib/junit-platform-console-standalone-1.7.1.jar --class-pa
```

```

ecs -- zsh -- 173x52
patrickloranger@Not-Patricks-MacBook-Pro ecs % rm -f ./dist/*.class
patrickloranger@Not-Patricks-MacBook-Pro ecs % javac -encoding UTF-8 --source-path src -d dist src/*.java
patrickloranger@Not-Patricks-MacBook-Pro ecs % javac -encoding UTF-8 --source-path test -d dist -cp dist:lib/junit-platform-console-standalone-1.7.1.jar test/*.java
patrickloranger@Not-Patricks-MacBook-Pro ecs % java -jar lib/junit-platform-console-standalone-1.7.1.jar --class-path dist --scan-class-path

Thanks for using JUnit! Support its development at https://junit.org/sponsoring

JUnit Jupiter ✓
├── DateTest ✓
│   └── nextDate_sample() ✓
├── BitTest ✓
│   ├── constructor_int_ok() ✓
│   ├── constructor_int_tooLarge() ✓
│   ├── constructor_int_tooSmall() ✓
│   ├── constructor_Bit() ✓
│   ├── hashCode_values() ✓
│   ├── getIntValue() ✓
│   ├── equals() ✓
│   ├── toString_values() ✓
│   ├── or() ✓
│   ├── and() ✓
│   ├── not() ✓
│   ├── xor() ✓
│   ├── setValue() ✓
│   └── constructor_default_0() ✓
└── JUnit Vintage ✓
    ├── BitAndTest ✓
    │   ├── [0] ✓
    │   │   └── testAnd[0] ✓
    │   ├── [1] ✓
    │   │   └── testAnd[1] ✓
    │   ├── [2] ✓
    │   │   └── testAnd[2] ✓
    │   └── [3] ✓
    │       └── testAnd[3] ✓

Test run finished after 79 ms
[ 9 containers found ]
[ 0 containers skipped ]
[ 9 containers started ]
[ 0 containers aborted ]
[ 9 containers successful ]
[ 0 containers failed ]
[ 19 tests found ]
[ 0 tests skipped ]
[ 19 tests started ]
[ 0 tests aborted ]
[ 19 tests successful ]
[ 0 tests failed ]

patrickloranger@Not-Patricks-MacBook-Pro ecs %

```

Here is the text output of the screenshot above (for clarity purposes)

Thanks for using JUnit! Support its development at <https://junit.org>

```
|
├─ JUnit Jupiter ✓
│   └─ DateTest ✓
│       └─ nextDate_sample() ✓
│   └─ BitTest ✓
│       ├── constructor_int_ok() ✓
│       ├── constructor_int_tooLarge() ✓
│       ├── constructor_int_tooSmall() ✓
│       ├── constructor_Bit() ✓
│       ├── hashCode_values() ✓
│       ├── getIntValue() ✓
│       ├── equals() ✓
│       ├── toString_values() ✓
│       ├── or() ✓
│       ├── and() ✓
│       ├── not() ✓
│       ├── xor() ✓
│       ├── setValue() ✓
│       └─ constructor_default_0() ✓
└─ JUnit Vintage ✓
    └─ BitAndTest ✓
        ├── [0] ✓
        │   └─ testAnd[0] ✓
        ├── [1] ✓
        │   └─ testAnd[1] ✓
        ├── [2] ✓
        │   └─ testAnd[2] ✓
        └─ [3] ✓
            └─ testAnd[3] ✓
```

Test run finished after 79 ms

```
[          9 containers found      ]
[          0 containers skipped    ]
[          9 containers started    ]
[          0 containers aborted    ]
[          9 containers successful ]
[          0 containers failed     ]
[         19 tests found           ]
[          0 tests skipped         ]
[         19 tests started         ]
[          0 tests aborted         ]
[         19 tests successful      ]
[          0 tests failed          ]
```

Exercise 2

Test case suite in the lab PowerPoint

In Exercise 2, we were tasked with implementing some explicit test cases and some parameterized test cases based on the following screenshot:

TC	Input (y m d)	Expected Output (y m d)
1	1700 06 20	1700 06 21
2	2005 04 15	2005 04 16
3	1901 07 20	1901 07 21
4	3456 03 27	3456 03 28
5	1500 02 17	1500 02 18
6	1700 06 29	1700 06 30
7	1800 11 29	1800 11 30
8	3453 01 29	3453 01 30
9	444 02 29	444 03 01
10	2005 04 30	2005 05 01
11	3453 01 30	3453 01 31
12	3456 03 30	3456 03 31
13	1901 07 31	1901 08 01
14	3453 01 31	3453 02 01
15	3456 12 31	3457 01 01
16	1500 02 31	IllegalArgumentException
17	1500 02 29	IllegalArgumentException
18	-1 10 20	IllegalArgumentException
19	1458 15 12	IllegalArgumentException
20	1975 6 -50	<u>IllegalArgumentException</u>

These tests can be found under `ecs/test`. The file with the explicit tests is `DateTest.java`. The file with the parameterized tests that run OK is `DateNextDateOKTest.java`. The file with the parameterized test that result in an exception is `DateNextDateExceptionTest.java`.

Screenshot of the Tests after Exercise 2

Here is a screenshot of the terminal after running the tests with the following command lines:

```
javac -encoding UTF-8 --source-path test -d dist -cp dist:lib/junit-
```

```
java -jar lib/junit-platform-console-standalone-1.7.1.jar --class-pa
```

```
ecs - zsh - 199x112
patricklaranger@Mac-Patrick-MacBook-Pro ecs % javac -encoding UTF-8 --source-path test -d dist -cp dist:lib/junit-platform-console-standalone-1.7.1.jar test/*.java
patricklaranger@Mac-Patrick-MacBook-Pro ecs % java -jar lib/junit-platform-console-standalone-1.7.1.jar --class-path dist --scan-class-path

Thanks for using JUnit! Support its development at https://junit.org/sponsoring

JUnit Jupiter
├─ DateTest
│   └─ nextDate
│       ├── sample()
│       ├── tc1_1_test()
│       ├── tc1_2_test()
│       ├── tc1_3_test()
│       ├── tc1_4_test()
│       ├── tc1_5_test()
│       ├── tc1_6_test()
│       ├── tc1_7_test()
│       ├── tc1_8_test()
│       ├── tc1_9_test()
│       ├── tc2_test()
│       ├── tc3_test()
│       ├── tc4_test()
│       ├── tc5_test()
│       ├── tc6_test()
│       ├── tc7_test()
│       ├── tc8_test()
│       └─ tc9_test()
├─ BitTest
│   ├── constructor_int_ok()
│   ├── constructor_int_toolarge()
│   ├── constructor_int_toolittle()
│   ├── constructor_bit()
│   ├── hashCode_values()
│   ├── getIntValue()
│   ├── equals()
│   ├── toString_values()
│   ├── or()
│   ├── and()
│   ├── not()
│   ├── xor()
│   ├── setValue()
│   └─ constructor_default_0()
├─ JUnit Vintage
│   ├── BitAndTest
│   │   ├── [0]
│   │   │   ├── testAnd[0]
│   │   │   ├── testAnd[1]
│   │   │   ├── testAnd[2]
│   │   │   └─ testAnd[3]
│   │   └─ testAnd[3]
│   ├── DateNextDateTest
│   │   ├── [0]
│   │   │   ├── test[0]
│   │   │   ├── test[1]
│   │   │   ├── test[2]
│   │   │   ├── test[3]
│   │   │   ├── test[4]
│   │   │   ├── test[5]
│   │   │   ├── test[6]
│   │   │   ├── test[7]
│   │   │   ├── test[8]
│   │   │   ├── test[9]
│   │   │   ├── test[10]
│   │   │   ├── test[11]
│   │   │   ├── test[12]
│   │   │   ├── test[13]
│   │   │   └─ test[14]
│   └─ DateNextDateExceptionTest
│       ├── [0]
│       │   ├── test[0]
│       │   ├── test[1]
│       │   ├── test[2]
│       │   ├── test[3]
│       │   └─ test[4]
└─ Test run finished after 34 ms
    ├── 21 containers found
    ├── 0 containers skipped
    ├── 21 containers started
    ├── 0 containers aborted
    ├── 21 containers successful
    ├── 0 containers failed
    ├── 53 tests found
    ├── 0 tests skipped
    ├── 53 tests started
    ├── 0 tests aborted
    ├── 53 tests successful
    └─ 0 tests failed

patricklaranger@Mac-Patrick-MacBook-Pro ecs %
```

Here is the text output of the screenshot above (for clarity purposes)

Thanks for using JUnit! Support its development at <https://junit.org>

1

```
└─ JUnit Jupiter ✓
  └─ DateTest ✓
    │ nextDate_sample() ✓
    │ nextDate_tc10_test() ✓
    │ nextDate_tc11_test() ✓
    │ nextDate_tc12_test() ✓
    │ nextDate_tc13_test() ✓
    │ nextDate_tc14_test() ✓
    │ nextDate_tc15_test() ✓
    │ nextDate_tc16_test() ✓
    │ nextDate_tc17_test() ✓
    │ nextDate_tc18_test() ✓
    │ nextDate_tc19_test() ✓
    │ nextDate_tc20_test() ✓
    │ nextDate_tc1_test() ✓
    │ nextDate_tc2_test() ✓
    │ nextDate_tc3_test() ✓
    │ nextDate_tc4_test() ✓
    │ nextDate_tc5_test() ✓
    │ nextDate_tc6_test() ✓
    │ nextDate_tc7_test() ✓
    │ nextDate_tc8_test() ✓
    └─ nextDate_tc9_test() ✓
  └─ BitTest ✓
    │ constructor_int_ok() ✓
    │ constructor_int_tooLarge() ✓
    │ constructor_int_tooSmall() ✓
    │ constructor_Bit() ✓
    │ hashCode_values() ✓
    │ getIntValue() ✓
    │ equals() ✓
    │ toString_values() ✓
    │ or() ✓
    │ and() ✓
    │ not() ✓
    │ xor() ✓
    │ setValue() ✓
    └─ constructor_default_0() ✓
└─ JUnit Vintage ✓
  └─ BitAndTest ✓
    │ [0] ✓
    │ └─ testAnd[0] ✓
    │ [1] ✓
    │ └─ testAnd[1] ✓
    └─ [2] ✓
```

```

├── testAnd[2] ✓
├── [3] ✓
│   └── testAnd[3] ✓
├── DateNextDateOkTest ✓
│   ├── [0] ✓
│   │   └── test[0] ✓
│   ├── [1] ✓
│   │   └── test[1] ✓
│   ├── [2] ✓
│   │   └── test[2] ✓
│   ├── [3] ✓
│   │   └── test[3] ✓
│   ├── [4] ✓
│   │   └── test[4] ✓
│   ├── [5] ✓
│   │   └── test[5] ✓
│   ├── [6] ✓
│   │   └── test[6] ✓
│   ├── [7] ✓
│   │   └── test[7] ✓
│   ├── [8] ✓
│   │   └── test[8] ✓
│   ├── [9] ✓
│   │   └── test[9] ✓
│   ├── [10] ✓
│   │   └── test[10] ✓
│   ├── [11] ✓
│   │   └── test[11] ✓
│   ├── [12] ✓
│   │   └── test[12] ✓
│   ├── [13] ✓
│   │   └── test[13] ✓
│   └── [14] ✓
│       └── test[14] ✓
├── DateNextDateExceptionTest ✓
│   ├── [0] ✓
│   │   └── test[0] ✓
│   ├── [1] ✓
│   │   └── test[1] ✓
│   ├── [2] ✓
│   │   └── test[2] ✓
│   ├── [3] ✓
│   │   └── test[3] ✓
│   └── [4] ✓
│       └── test[4] ✓

```

```
Test run finished after 89 ms
[      31 containers found      ]
[      0 containers skipped     ]
[      31 containers started    ]
[      0 containers aborted     ]
[      31 containers successful ]
[      0 containers failed      ]
[      59 tests found           ]
[      0 tests skipped          ]
[      59 tests started         ]
[      0 tests aborted          ]
[      59 tests successful      ]
[      0 tests failed           ]
```