# Bug [491](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=491)

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| **Summary:** | Null pointer exception Error | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:**  Phudis Dawieang <pdawieang2-c@my.cityu.edu.hk> | Phudis Dawieang <pdawieang2-c@my.cityu.edu.hk> |
| **Component:** | Testing | **Assignee:** Varun <avbalaji2-c@my.cityu.edu.hk> | Varun <avbalaji2-c@my.cityu.edu.hk> |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | minor |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 1.0 | 1.0 | 1.0 | 0.0 | 100 | 0.0 | | | |
| **Deadline:** | 2020-11-09 |  |  |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=491#c0)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-24 14:30:44 HKT**  Every time we run test the program we get a NULL pointer exception. There is static variable being assigned to NULL and then being assigned to another value.  Please call the static declaration function of the variable before assigning it to another value.  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=491#c1)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-27 14:41:47 HKT**  Additional hours worked: 1.0  Thanks for pointing out the error. The program works now. |  |

# Bug [528](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=528)

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| **Summary:** | Array Index out of Bound -1 out of 3 (women not found) | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Phudis Dawieang <pdawieang2-c@my.cityu.edu.hk> eang <pdawieang2-c@my.cityu.edu.hk> |
| **Component:** | Stable Matching | **Assignee:** | Varun <avbalaji2-c@my.cityu.edu.hk> |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | critical |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 5.0 | 5.0 | 5.0 | 0.0 | 100 | 0.0 | | | |
| **Deadline:** | 2020-11-12 |  |  |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=528#c0)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-07 04:14:49 HKT**  The Array index is out of bound while integration testing. Looks like getTravelTime does not work properly, maybe the user object can't be found even though it's already in the arraylist  The debug trace is attached below.  java.lang.ArrayIndexOutOfBoundsException: Index -1 out of bounds for length 3  at mainPackage.FloydWarshall.getTravelTime(FloydWarshall.java:174)  at mainPackage.User.locationScore(User.java:73)  at mainPackage.User.calculateScore(User.java:36)  at mainPackage.Stable\_Matching.setScore(Stable\_Matching.java:17)  at Test.IntegrationTesting.testCase\_02(IntegrationTesting.java:63)  at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)  at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.base/java.lang.reflect.Method.invoke(Method.java:567)  at org.junit.platform.commons.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:686)  at org.junit.jupiter.engine.execution.MethodInvocation.proceed(MethodInvocation.java:60)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain$ValidatingInvocation.proceed(InvocationInterceptorChain.java:131)  at org.junit.jupiter.engine.extension.TimeoutExtension.intercept(TimeoutExtension.java:149)  at org.junit.jupiter.engine.extension.TimeoutExtension.interceptTestableMethod(TimeoutExtension.java:140)  at org.junit.jupiter.engine.extension.TimeoutExtension.interceptTestMethod(TimeoutExtension.java:84)  at org.junit.jupiter.engine.execution.ExecutableInvoker$ReflectiveInterceptorCall.lambda$ofVoidMethod$0(ExecutableInvoker.java:115)  at org.junit.jupiter.engine.execution.ExecutableInvoker.lambda$invoke$0(ExecutableInvoker.java:105)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain$InterceptedInvocation.proceed(InvocationInterceptorChain.java:106)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain.proceed(InvocationInterceptorChain.java:64)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain.chainAndInvoke(InvocationInterceptorChain.java:45)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain.invoke(InvocationInterceptorChain.java:37)  at org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(ExecutableInvoker.java:104)  at org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(ExecutableInvoker.java:98)  at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$invokeTestMethod$6(TestMethodTestDescriptor.java:205)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.invokeTestMethod(TestMethodTestDescriptor.java:201)  at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(TestMethodTestDescriptor.java:137)  at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(TestMethodTestDescriptor.java:71)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$5(NodeTestTask.java:135)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$7(NodeTestTask.java:125)  at org.junit.platform.engine.support.hierarchical.Node.around(Node.java:135)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$8(NodeTestTask.java:123)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:122)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:80)  at java.base/java.util.ArrayList.forEach(ArrayList.java:1507)  at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:38)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$5(NodeTestTask.java:139)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$7(NodeTestTask.java:125)  at org.junit.platform.engine.support.hierarchical.Node.around(Node.java:135)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$8(NodeTestTask.java:123)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:122)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:80)  at java.base/java.util.ArrayList.forEach(ArrayList.java:1507)  at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:38)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$5(NodeTestTask.java:139)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$7(NodeTestTask.java:125)  at org.junit.platform.engine.support.hierarchical.Node.around(Node.java:135)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$8(NodeTestTask.java:123)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:122)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:80)  at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.submit(SameThreadHierarchicalTestExecutorService.java:32)  at org.junit.platform.engine.support.hierarchical.HierarchicalTestExecutor.execute(HierarchicalTestExecutor.java:57)  at org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.execute(HierarchicalTestEngine.java:51)  at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:248)  at org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$5(DefaultLauncher.java:211)  at org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStreams(DefaultLauncher.java:226)  at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:199)  at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:141)  at org.eclipse.jdt.internal.junit5.runner.JUnit5TestReference.run(JUnit5TestReference.java:98)  at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:41)  at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:542)  at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:770)  at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)  at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=528#c1)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-07 20:28:03 HKT**  Additional hours worked: 5.0  ArrayList.IndexOf() built-in function in Java will find the object that has the same reference, however the user we create are not at the same reference point as the one in ArrayList. The bug is fixed by comparing only the name instead of the whole object |  |

# Bug [529](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=529)

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| **Summary:** | Array Index out of Bound 3 out of 3 | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Phudis Dawieang <pdawieang2-c@my.cityu.edu.hk> tyu.edu.hk> |
| **Component:** | Stable Matching | **Assignee:** | Varun <avbalaji2-c@my.cityu.edu.hk> |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | enhancement |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 5.0 | 4.0 | 4.0 | 0.0 | 100 | 1.0 | | | |
| **Deadline:** | 2020-11-12 |  |  |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=529#c0)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-10 04:24:11 HKT**  The array index out of bound while doing the integration testing.  The problem occurs when the second tests start, maybe every static variable are not initialized before the next test start.  The debug trace is pasted below for reference.  java.lang.IndexOutOfBoundsException: Index 3 out of bounds for length 3  at java.base/jdk.internal.util.Preconditions.outOfBounds(Preconditions.java:64)  at java.base/jdk.internal.util.Preconditions.outOfBoundsCheckIndex(Preconditions.java:70)  at java.base/jdk.internal.util.Preconditions.checkIndex(Preconditions.java:248)  at java.base/java.util.Objects.checkIndex(Objects.java:373)  at java.base/java.util.ArrayList.set(ArrayList.java:439)  at mainPackage.Stable\_Matching.setScore(Stable\_Matching.java:38)  at Test.IntegrationTesting.testCase\_02(IntegrationTesting.java:63)  at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)  at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.base/java.lang.reflect.Method.invoke(Method.java:567)  at org.junit.platform.commons.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:686)  at org.junit.jupiter.engine.execution.MethodInvocation.proceed(MethodInvocation.java:60)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain$ValidatingInvocation.proceed(InvocationInterceptorChain.java:131)  at org.junit.jupiter.engine.extension.TimeoutExtension.intercept(TimeoutExtension.java:149)  at org.junit.jupiter.engine.extension.TimeoutExtension.interceptTestableMethod(TimeoutExtension.java:140)  at org.junit.jupiter.engine.extension.TimeoutExtension.interceptTestMethod(TimeoutExtension.java:84)  at org.junit.jupiter.engine.execution.ExecutableInvoker$ReflectiveInterceptorCall.lambda$ofVoidMethod$0(ExecutableInvoker.java:115)  at org.junit.jupiter.engine.execution.ExecutableInvoker.lambda$invoke$0(ExecutableInvoker.java:105)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain$InterceptedInvocation.proceed(InvocationInterceptorChain.java:106)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain.proceed(InvocationInterceptorChain.java:64)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain.chainAndInvoke(InvocationInterceptorChain.java:45)  at org.junit.jupiter.engine.execution.InvocationInterceptorChain.invoke(InvocationInterceptorChain.java:37)  at org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(ExecutableInvoker.java:104)  at org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(ExecutableInvoker.java:98)  at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda$invokeTestMethod$6(TestMethodTestDescriptor.java:205)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.invokeTestMethod(TestMethodTestDescriptor.java:201)  at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(TestMethodTestDescriptor.java:137)  at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(TestMethodTestDescriptor.java:71)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$5(NodeTestTask.java:135)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$7(NodeTestTask.java:125)  at org.junit.platform.engine.support.hierarchical.Node.around(Node.java:135)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$8(NodeTestTask.java:123)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:122)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:80)  at java.base/java.util.ArrayList.forEach(ArrayList.java:1507)  at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:38)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$5(NodeTestTask.java:139)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$7(NodeTestTask.java:125)  at org.junit.platform.engine.support.hierarchical.Node.around(Node.java:135)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$8(NodeTestTask.java:123)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:122)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:80)  at java.base/java.util.ArrayList.forEach(ArrayList.java:1507)  at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:38)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$5(NodeTestTask.java:139)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$7(NodeTestTask.java:125)  at org.junit.platform.engine.support.hierarchical.Node.around(Node.java:135)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$8(NodeTestTask.java:123)  at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:122)  at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:80)  at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.submit(SameThreadHierarchicalTestExecutorService.java:32)  at org.junit.platform.engine.support.hierarchical.HierarchicalTestExecutor.execute(HierarchicalTestExecutor.java:57)  at org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.execute(HierarchicalTestEngine.java:51)  at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:248)  at org.junit.platform.launcher.core.DefaultLauncher.lambda$execute$5(DefaultLauncher.java:211)  at org.junit.platform.launcher.core.DefaultLauncher.withInterceptedStreams(DefaultLauncher.java:226)  at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:199)  at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:141)  at org.eclipse.jdt.internal.junit5.runner.JUnit5TestReference.run(JUnit5TestReference.java:98)  at org.eclipse.jdt.internal.junit.runner.TestExecution.run(TestExecution.java:41)  at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:542)  at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:770)  at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)  at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=529#c1)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-10 20:29:09 HKT**  Additional hours worked: 4.0  ArrayList.IndexOf() built-in function in Java will find the object that has the same reference, however the user we create are not at the same reference point as the one in ArrayList. The bug is fixed by comparing only the name instead of the whole object  [**Comment 2**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=529#c2)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-10 20:41:06 HKT**  The variable initialization for maleIndexNext only occurs when the program is started. The maleIndexNext initialization is already added in the mapInitialize method to restart it with the map itself"  [**Comment 3**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=529#c3)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-10 20:41:57 HKT**  The variable initialization for maleIndexNext only occurs when the program is started. The maleIndexNext initialization is already added in the mapInitialize method to restart it with the map itself" |  |

# Bug [492](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=492)

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| **Summary:** | printDist() gives larger size than the array returned from calShortestDist() | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Varun <avbalaji2-c@my.cityu.edu.hk> <avbalaji2- |
| **Component:** | FloydWarshall | **Assignee:** | Phudis Dawieang <pdawieang2-c@my.cityu.edu.hk> |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | normal | **CC:** | avbalaji2-c@my.cityu.edu.hk |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 0.0 | 2.0 | 2.0 | 0.0 | 100 | -2.0 | | | |
| **Deadline:** | 2020-10-31 |  |  |
| **Attachments:** | [how clearArray is added](http://cs3343.cs.cityu.edu.hk/bugzilla/attachment.cgi?id=56) | | |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=492#c0)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-27 14:39:16 HKT**  After testing on the calShortestDist(), the array returned from the calShortestDist() function returns array correctly with correct dimensions. However, when printDist() is called, the array sometimes return with twice dimensions. Problem may occurred with double-counting.  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=492#c1)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-27 14:50:31 HKT**  Created [attachment 56](http://cs3343.cs.cityu.edu.hk/bugzilla/attachment.cgi?id=56" \o "how clearArray is added) [[details]](http://cs3343.cs.cityu.edu.hk/bugzilla/attachment.cgi?id=56&action=edit)  how clearArray is added  [**Comment 2**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=492#c2)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-27 14:53:04 HKT**  Thank you for the bug report. The problem caused by the static array male and female declared and not cleared at the beginning of the program. The clearArray is added in mapInitialize() so that every program startup will clear the array.  [**Comment 3**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=492#c3)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-27 14:54:48 HKT**  Additional hours worked: 2.0  (In reply to Phudis Dawieang from [comment #2](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=492#c2))  > Thank you for the bug report. The problem caused by the static array male  > and female declared and not cleared at the beginning of the program. The  > clearArray is added in mapInitialize() so that every program startup will  > clear the array. |  |

# Bug [533](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=533)

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| --- | --- | --- | --- |
| **Summary:** | The match shows one male matches with two female | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Varun <avbalaji2-c@my.cityu.edu.hk> hk> |
| **Component:** | Stable Matching | **Assignee:** | Phudis Dawieang <pdawieang2-c@my.cityu.edu.hk> |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | normal |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | | | |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=533#c0)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-11 21:11:08 HKT**  In test\_5, 5 males and 5 females are provided. However, one male (Marko) got matched with two females (Dusika and Karry)  The score of each match and the matching is attached below.  Ivan ranking:  Karry score: 84  Betty score: 80  Maggy score: 48  Andela score: 27  Dusica score: 27  Timur ranking:  Karry score: 88  Maggy score: 32  Dusica score: 25  Andela score: 20  Betty score: 20  Marko ranking:  Karry score: 88  Betty score: 79  Andela score: 69  Maggy score: 38  Dusica score: 33  John ranking:  Karry score: 88  Betty score: 79  Maggy score: 37  Andela score: 30  Dusica score: 30  Blake ranking:  Betty score: 79  Karry score: 77  Andela score: 72  Maggy score: 36  Dusica score: 29  Timur ranking:  Karry score: 88  Maggy score: 32  Dusica score: 25  Andela score: 20  Betty score: 20  Marko ranking:  Karry score: 88  Betty score: 79  Andela score: 69  Maggy score: 38  Dusica score: 33  Andela ranking:  Ivan score: 70  Timur score: 69  Marko score: 30  John score: 30  Blake score: 47  Dusica ranking:  Ivan score: 34  Timur score: 39  Marko score: 30  John score: 30  Blake score: 43  Karry ranking:  Ivan score: 85  Timur score: 88  Marko score: 94  John score: 94  Blake score: 77  Maggy ranking:  Ivan score: 51  Timur score: 39  Marko score: 32  John score: 32  Blake score: 49  Betty ranking:  Ivan score: 78  Timur score: 74  Marko score: 37  John score: 37  Blake score: 25  Blake & Andela  Marko & Dusica  Marko & Karry  Timur & Maggy  John & Betty  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=533#c1)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-11 21:29:49 HKT**  The bug really happens, thanks for pointing it out.  The bug occurs from the Stable\_Matching.stable\_match(). In the case that better partner is found, the new partner should be removed and added to the list of male who does not have pair yet. However, the previous code added the better partner to the list, thus causing the duplicate case.  Again, thank you for pointing this out. The bug is resolved. |

# Bug [540](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=540)

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| **Summary:** | InvalidNumberOfInput Error | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Varun <avbalaji2-c@my.cityu.edu.hk > |
| **Component:** | Exception | **Assignee:** | pdawieang2-c@my.cityu.edu.hk |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | enhancement |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | | | |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=540#c0)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-13 23:01:21 HKT**  The InvalidNumberInputClass does not throw an exception when invalid number of inputs are given. For example, I gave 10 inputs and it didn't throw an exception.  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=540#c1)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-14 23:24:53 HKT**  The program does work properly when the input is more than the amount of intended input, however, as you mention, it should throw exception instead.  At first, the try-catch is covered the whole input retrieval (change separated input to the variable that will be used for the class creation) so that if the input is less than the amount intended, the InvalidNumberInputClass will invoke. Now, InvalidNumberInputClass will be thrown if the input amount not equal to 8.  The bug is now resolved. |

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| **Summary:** | InvalidName exception error | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Varun <avbalaji2-c@my.cityu.edu.hk > |
| **Component:** | Exception | **Assignee:** | pdawieang2-c@my.cityu.edu.hk |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | enhancement |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | | | |

# Bug [541](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=541)

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=541#c0)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-13 23:03:43 HKT**  The InvalidName class throws an exception when a name with capital letter is used. For example, 'Andela' gives an error when it is not supposed to.  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=541#c1)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-14 23:26:53 HKT**  The bug is caused by the character checks only between 'a' to 'z' without put it down to lowercase.  The checking process is fixed now.  The bug is now resolved,  Thank you again for the bug report. |

# Bug [542](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=542)

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| **Summary:** | InvalidYear exception error | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Varun <avbalaji2-c@my.cityu.edu .hk> |
| **Component:** | Exception | **Assignee:** | pdawieang2-c@my.cityu.edu.hk |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | enhancement |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | | | |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=542#c0)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-13 23:05:16 HKT**  The InvalidError class does not throw an exception when double values are used. For example, the input 02-03-2020.04 does not give an exception.  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=542#c1)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-13 23:28:44 HKT**  Turns out that somehow the year is kept in the double values. Maybe the one who writes Stable\_Matching works at 4am for this.  However, the bug is already fixed. The year is kept in int and it will check if there's any error.  Thank you for the bug report.  [**Comment 2**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=542#c2)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-13 23:29:18 HKT**  The bug is now resolved, I forgot to change the status.  --END OF REPORT-- |

# Bug [543](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=543)

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| **Summary:** | InvalidLatitude | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Varun <avbalaji2-c@my.city.edu.hk u.edu.hk> |
| **Component:** | Exception | **Assignee:** | pdawieang2-c@my.cityu.edu.hk |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | enhancement |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | | | |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=543#c0)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-14 23:23:02 HKT**  The InvalidLatitude class does not throw an exception when there is a N in the latitude. For example, '29° 52' N' should throw an exception but it doesnt.  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=543#c1)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-14 23:31:43 HKT**  Thank you for the bug report!  Somehow in your case, 29 is saved as a latitude and 52 is saved as a longitude. I don't really know why this is happened, however, the number saved is wrong anyway, so I have debugged it.  The latitude and longitude are now kept in the double. Exception will invoke if the case like what you just mention happen again.  Again, thank you for the bug report :)  The status has been changed to the RESOLVED-FIXED. |  |

# Bug [539](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=539)

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| **Summary:** | InvalidGender Error | | |
| **Product:** | Group 13 Dating App System (vibing.com) | **Reporter:** | Varun <avbalaji2-c@ad.cityu.edu.hk> cityu.edu.hk> |
| **Component:** | Exception | **Assignee:** | pdawieang2-c@my.cityu.edu.hk |
| **Status:** | RESOLVED FIXED |  |  |
| **Severity:** | enhancement |  |  |
| **Priority:** | --- |  |  |
| **Version:** | 1 |  |  |
| **Hardware:** | PC |  |  |
| **OS:** | Windows |  |  |
| **Time tracking:** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Orig. Est.** | **Actual Hours** | **Hours Worked** | **Hours Left** | **%Complete** | **Gain** | | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | | | |

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| [**Description**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=539#c0)[**Varun**](mailto:avbalaji2-c@my.cityu.edu.hk)**2020-11-15 22:57:48 HKT**  The invalid gender class, does not throw exception when wrong input is given. For example, I gave the letter 'G' and i got no exception.  [**Comment 1**](http://cs3343.cs.cityu.edu.hk/bugzilla/show_bug.cgi?id=539#c1)[**Phudis Dawieang**](mailto:pdawieang2-c@my.cityu.edu.hk)**2020-11-15 23:04:16 HKT**  Thanks for the bug report!  The problem somehow occurs in the checking part of the gender. The gender right now is not coded properly and check only if it's not a digit or it is. The checking condition has been changed.  The bug is now resolved. |