

ASSIGNMENT 04

Topics in Software Engineering

REG#: FA21-BSE-024, FA21-BSE-044

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Code Smells: Inappropriate Naming

```
>_ Terminal
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\yahya> cd .\Desktop\
PS C:\Users\yahya\Desktop> cd .\code_smell_detection\
PS C:\Users\yahya\Desktop\code_smell_detection> python .\code_script.py
Enter the source code folder path: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\v2signature\
```

Issues in file: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\v2signature\V2SignatureUtils.java

```
Inappropriate name 'A00' at line 14
Inappropriate name 'A01' at line 15
Inappropriate name 'A02' at line 16
Inappropriate name 'A03' at line 17
Inappropriate name 'j' at line 19
Inappropriate name 'j2' at line 19
Inappropriate name 'j3' at line 19
Inappropriate name 'A00' at line 20
Inappropriate name 'j' at line 20
Inappropriate name 'A01' at line 21
Inappropriate name 'j2' at line 21
Inappropriate name 'A02' at line 22
Inappropriate name 'j3' at line 22
Inappropriate name 'A03' at line 23
```

```
14         public final long A00;
15         public final long A01;
16         public final long A02;
17         public final ByteBuffer A03;
18
19         public ZipSections(ByteBuffer byteBuffer, long j, long j2, long j3) {
20             this.A00 = j;
21             this.A01 = j2;
22             this.A02 = j3;
23             this.A03 = byteBuffer;
24         }
25     }
```

Issues in file: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\v2signature\ZipSection.java

Inappropriate name 'v2signature' at line 1
Inappropriate name 'A00' at line 7
Inappropriate name 'A01' at line 8

C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\v2signature > ZipSection.java > {} v2signature

```
1 package v2signature;
2
3 import java.nio.ByteBuffer;
4
5 /* loaded from: ZipSection.class */
6 public class ZipSection {
7     public long A00;
8     public ByteBuffer A01;
9 }
10
```

Issues in file: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\X\C2cA.java

Inappropriate name 'X' at line 1
Inappropriate name 'X' at line 5
Inappropriate name 'C2cA' at line 7
Inappropriate name 'C2k8' at line 10
Inappropriate name 'c2k8' at line 10
Inappropriate name 'C2k8' at line 12
Inappropriate name 'c2k8' at line 12
Inappropriate name 'z' at line 14
Inappropriate name 'D79' at line 16
Inappropriate name 'C00p' at line 16
Inappropriate name 'c00p' at line 16
Inappropriate name 'z' at line 16

C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\X > C2cA.java

```
1 package X;
2
3 import java.util.List;
4
5 /* renamed from: X.2cA, reason: invalid class name */
6 /* loaded from: 2cA.class */
7 public interface C2cA {
8     void Bbu(List list);
9
10    void Bfy(C2k8 c2k8);
11
12    void Bfz(C2k8 c2k8);
13
14    void CqK(boolean z);
15
16    void D79(C00p c00p, boolean z);
17 }
18
```

Issues in file: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\X\C2C5.java

Inappropriate name 'X' at line 1
Inappropriate name 'X' at line 6
Inappropriate name 'C2C5' at line 8
Inappropriate name 'A00' at line 9
Inappropriate name 'C00i' at line 10
Inappropriate name 'A02' at line 10
Inappropriate name 'C00i' at line 11
Inappropriate name 'A01' at line 11
Inappropriate name 'A00' at line 13
Inappropriate name 'BD0' at line 14
Inappropriate name 'A0R' at line 14
Inappropriate name 'A02' at line 14
Inappropriate name 'BD0' at line 14
Inappropriate name 'A0A' at line 14
Inappropriate name 'A0a' at line 14
Inappropriate name 'BD0' at line 15
Inappropriate name 'A0n' at line 16
Inappropriate name 'ZeroBalanceConfigsRetriever' at line 16
Inappropriate name 'AnonymousClass243' at line 20
Inappropriate name 'A00' at line 20
Inappropriate name 'A0V' at line 20
Inappropriate name 'BD0' at line 20
Inappropriate name 'A00' at line 21
Inappropriate name 'e' at line 23

```
8 public final class C2C5 {
9     public ZeroBalanceConfigs A00;
10    public final C00i A02 = new 1BQ(33013);
11    public final C00i A01 = new 1BQ(16511);
12
13    public ZeroBalanceConfigs A00() {
14        String BD0 = 1BK.A0R(this.A02).BD0((1G2) ((1Ky) 1Bn.A0A(98565)).A0a.getValue());
15        if (BD0 == null) {
16            0FH.A0n("ZeroBalanceConfigsRetriever", "no ZBD configs found in prefs!");
17            return null;
18        }
19        try {
20            ZeroBalanceConfigs zeroBalanceConfigs = (ZeroBalanceConfigs) AnonymousClass243.A00().A0V(BD0, ZeroBalanceConfigs.class);
21            this.A00 = zeroBalanceConfigs;
22            return zeroBalanceConfigs;
23        } catch (IOException e) {
24            1BK.A09(this.A01).softReport("ZeroBalanceConfigsRetriever", "Error while de-serializing zero balance configs", e);
25            return null;
26        }
27    }
28 }
29
```

Issues in file: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\X\C2c1.java

```
Inappropriate name 'C2c1' at line 5  
Inappropriate name 'A00' at line 6  
Inappropriate name 'A00' at line 6  
Inappropriate name 'A00' at line 8  
Inappropriate name 'C2c1' at line 8  
Inappropriate name 'c2c1' at line 8  
Inappropriate name 'c2c1' at line 9  
Inappropriate name 'A00' at line 9  
Inappropriate name 'A00' at line 9
```

```
5   public final class C2c1 {  
6       public final 1Br A00 = 1Bq.A00(16385);  
7  
8       public static final 1CO A00(C2c1 c2c1) {  
9           return (1CO) c2c1.A00.A00.get();  
10      }  
11  }  
12
```

Issues in file: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\X\C2bz.java

Issues in file: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\X\C2bz.java

```
Inappropriate name 'X' at line 1  
Inappropriate name 'X' at line 3  
Inappropriate name 'C2bz' at line 5  
Inappropriate name 'A00' at line 6  
Inappropriate name 'A01' at line 7
```

```

5 public abstract class C2bz {
6     public static int A00 = 255;
7     public static Boolean A01;
8 }
9

```

Issues in file: C:\Users\yahya\Desktop\SEM-07\TSE\Source Code\Messenger_Sources_Code\X\C2bx.java

```

Inappropriate name 'X' at line 1
Inappropriate name 'X' at line 5
Inappropriate name 'C2bx' at line 7
Inappropriate name 'A00' at line 8
Inappropriate name 'A01' at line 9
Inappropriate name 'A00' at line 11
Inappropriate name 'r301' at line 11
Inappropriate name 'i' at line 11
Inappropriate name 'A01' at line 12
Inappropriate name 'A00' at line 12
Inappropriate name 'i' at line 12
Inappropriate name 'r301' at line 14
Inappropriate name 'A05' at line 14
Inappropriate name 'NativepagereplySavedrepliesKillSwitch' at line 14
Inappropriate name 'NativepagereplySavedrepliesKillSwitch' at line 14
Inappropriate name 'e' at line 15
Inappropriate name 'A01' at line 18
Inappropriate name 'A00' at line 19
Inappropriate name 'i' at line 19
Inappropriate name 'r301' at line 20
Inappropriate name 'A01' at line 20
Inappropriate name 'NativepagereplySavedrepliesKillSwitch' at line 20
Inappropriate name 'e2' at line 21
Inappropriate name 'e' at line 22
Inappropriate name 'e2' at line 22
Inappropriate name 'e' at line 23
Inappropriate name 'r301' at line 26
Inappropriate name 'A01' at line 26
Inappropriate name 'A01' at line 26
Inappropriate name 'e' at line 26
Inappropriate name 'NativepagereplySavedrepliesKillSwitch' at line 26
Inappropriate name 'A01' at line 30

```

```

C:\Users\yahya > Desktop > SEM-07 > TSE > Source Code > Messenger_Sources_Code > X > C2bx.java
2
3 import java.util.concurrent.atomic.AtomicInteger;
4
5 /* renamed from: X.2bx, reason: invalid class name */
6 /* loaded from: 2bx.class */
7 public abstract class C2bx {
8     public static int A00 = 255;
9     public static Boolean A01;
10
11     public static boolean A00(1YC r301, AtomicInteger atomicInteger, int i) {
12         if (A01 == null || A00 != i) {
13             int andIncrement = atomicInteger.getAndIncrement();
14             r301.A05("com.facebook.messaging.nativepagereply.plugins.savedreplies.NativepagereplySavedrepliesKillSwitch", "messaging.nativepagereply.savedreplies.Nativepa
15             Exception e = null;
16             try {
17                 try {
18                     A01 = true;
19                     A00 = i;
20                     r301.A01(true, (Exception) null, "messaging.nativepagereply.savedreplies.NativepagereplySavedrepliesKillSwitch", andIncrement);
21                 } catch (Exception e2) {
22                     e = e2;
23                     throw e;
24                 }
25             } catch (Throwable th) {
26                 r301.A01(A01, e, "messaging.nativepagereply.savedreplies.NativepagereplySavedrepliesKillSwitch", andIncrement);
27                 throw th;
28             }
29         }
30         return A01.booleanValue();
31     }
32 }
33

```