

PMD Results

The following document contains the results of [PMD](#) 6.55.0.

Violations By Priority

Priority 3

com/dev/sweproject/Document.java

| Rule | Violation | Line |
|---|--|------|
| OverrideBothEqualsAndHashCode | Ensure you override both equals() and hashCode() | 315 |
| OverrideBothEqualsAndHashCode | Ensure you override both equals() and hashCode() | 315 |
| AssignmentInOperand | Avoid assignments in operands | 347 |
| AvoidLiteralsInIfCondition | Avoid using Literals in Conditional Statements | 425 |
| AvoidDuplicateLiterals | The String literal " has " appears 6 times in this file; the first occurrence is on line 446 | 446 |

com/dev/sweproject/FirebaseConfig.java

| Rule | Violation | Line |
|-------------------------------|---|------|
| CloseResource | Ensure that resources like this FileInputStream object are closed after use | 27 |

com/dev/sweproject/SweProjectApplication.java

| Rule | Violation | Line |
|--|--|------|
| AvoidDuplicateLiterals | The String literal "An unexpected error has occurred" appears 4 times in this file; the first occurrence is on line 86 | 86 |
| AvoidDuplicateLiterals | The String literal "network-id" appears 10 times in this file; the first occurrence is on line 103 | 103 |
| AvoidDuplicateLiterals | The String literal "document-name" appears 7 times in this file; the first occurrence is on line 104 | 104 |
| AvoidDuplicateLiterals | The String literal "your-user-id" appears 7 times in this file; the first occurrence is on line 143 | 143 |
| AvoidDuplicateLiterals | The String literal "An unexpected error has occurred." appears 4 times in this file; the first occurrence is on line 169 | 169 |
| AvoidDuplicateLiterals | The String literal "No such document exists." appears 4 times in this file; the first occurrence is on line 172 | 172 |

Priority 4

com/dev/sweproject/Document.java

| Rule | Violation | Line |
|--------------------|----------------------|------|
| UselessParentheses | Useless parentheses. | 324 |
| UselessParentheses | Useless parentheses. | 325 |
| UselessParentheses | Useless parentheses. | 326 |
| UselessParentheses | Useless parentheses. | 327 |
| UselessParentheses | Useless parentheses. | 328 |
| UselessParentheses | Useless parentheses. | 329 |

Priority 5

com/dev/sweproject/Document.java

| Rule | Violation | Line |
|-------------------------|--|---------|
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'stringReader' (lines '343'-'357'). | 343–357 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'line' (lines '347'-'357'). | 347–357 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'random' (lines '367'-'373'). | 367–373 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'slashLocation' (lines '401'-'418'). | 401–418 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'start' (lines '402'-'418'). | 402–418 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'slashLocation' (lines '411'-'418'). | 411–418 |

com/dev/sweproject/FirebaseService.java

| Rule | Violation | Line |
|-------------------------|--|---------|
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'random' (lines '296'-'302'). | 296–302 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'collectionReference' (lines '315'-'340'). | 315–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'collectionReference' (lines '315'-'340'). | 315–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'collectionReference' (lines '315'-'340'). | 315–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'titleListener' (lines '317'-'340'). | 317–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'titleListener' (lines '317'-'340'). | 317–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'titleListener' (lines '317'-'340'). | 317–340 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'previousDoc' (lines '358'-'363'). | 358–363 |

com/dev/sweproject/SweProjectApplication.java

| Rule | Violation | Line |
|-------------------------|--|---------|
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '238'-'243'). | 238–243 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '238'-'256'). | 238–256 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '278'-'283'). | 278–283 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '278'-'301'). | 278–301 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '293'-'301'). | 293–301 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '320'-'324'). | 320–324 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '320'-'344'). | 320–344 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '331'-'344'). | 331–344 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'firstSnapshot' (lines '367'-'373'). | 367–373 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'secondSnapshot' (lines '368'-'374'). | 368–374 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '369'-'386'). | 369–386 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '369'-'390'). | 369–390 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '369'-'398'). | 369–398 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '390'-'405'). | 390–405 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'responseHeaders' (lines '441'-'455'). | 441–455 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'responseHeaders' (lines '441'-'467'). | 441–467 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'resource' (lines '442'-'454'). | 442–454 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'resource' (lines '442'-'467'). | 442–467 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'resource' (lines '454'-'467'). | 454–467 |

Files

com/dev/sweproject/Document.java

| Rule | Violation | Priority | Line |
|-------------------------------|--|----------|---------|
| OverrideBothEqualsAndHashCode | Ensure you override both equals() and hashCode() | 3 | 315 |
| OverrideBothEqualsAndHashCode | Ensure you override both equals() and hashCode() | 3 | 315 |
| UselessParentheses | Useless parentheses. | 4 | 324 |
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| UselessParentheses | Useless parentheses. | 4 | 326 |
| UselessParentheses | Useless parentheses. | 4 | 327 |
| UselessParentheses | Useless parentheses. | 4 | 328 |
| UselessParentheses | Useless parentheses. | 4 | 329 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'stringReader' (lines '343'-'357'). | 5 | 343–357 |
| AssignmentInOperand | Avoid assignments in operands | 3 | 347 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'line' (lines '347'-'357'). | 5 | 347–357 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'random' (lines '367'-'373'). | 5 | 367–373 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'slashLocation' (lines '401'-'418'). | 5 | 401–418 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'start' (lines '402'-'418'). | 5 | 402–418 |

| | | | |
|----------------------------|--|---|---------|
| | '418'). | | 418 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'slashLocation' (lines '411'-'418'). | 5 | 411–418 |
| AvoidLiteralsInIfCondition | Avoid using Literals in Conditional Statements | 3 | 425 |
| AvoidDuplicateLiterals | The String literal " has " appears 6 times in this file; the first occurrence is on line 446 | 3 | 446 |

com/dev/sweproject/FirebaseConfig.java

| Rule | Violation | Priority | Line |
|---------------|---|----------|------|
| CloseResource | Ensure that resources like this FileInputStream object are closed after use | 3 | 27 |

com/dev/sweproject/FirebaseService.java

| Rule | Violation | Priority | Line |
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| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'random' (lines '296'-'302'). | 5 | 296–302 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'collectionReference' (lines '315'-'340'). | 5 | 315–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'collectionReference' (lines '315'-'340'). | 5 | 315–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'collectionReference' (lines '315'-'340'). | 5 | 315–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'titleListener' (lines '317'-'340'). | 5 | 317–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'titleListener' (lines '317'-'340'). | 5 | 317–340 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'titleListener' (lines '317'-'340'). | 5 | 317–340 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'previousDoc' (lines '358'-'363'). | 5 | 358–363 |

com/dev/sweproject/SweProjectApplication.java

| Rule | Violation | Priority | Line |
|------------------------|--|----------|------|
| AvoidDuplicateLiterals | The String literal "An unexpected error has occurred" appears 4 times in this file; the first occurrence is on line 86 | 3 | 86 |
| AvoidDuplicateLiterals | The String literal "network-id" appears 10 times in this file; the first occurrence is on line 103 | 3 | 103 |
| AvoidDuplicateLiterals | The String literal "document-name" appears 7 times in this file; the first occurrence is on line 104 | 3 | 104 |
| AvoidDuplicateLiterals | The String literal "your-user-id" appears 7 times in this file; the first occurrence is on line 143 | 3 | 143 |
| AvoidDuplicateLiterals | The String literal "An unexpected error has occurred." appears 4 times in this file; the first occurrence is on line 169 | 3 | 169 |
| AvoidDuplicateLiterals | The String literal "No such document exists." appears 4 times | 3 | 172 |

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| | | | |
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| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '238'-'243'). | 5 | 238– 243 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '238'-'256'). | 5 | 238– 256 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '278'-'283'). | 5 | 278– 283 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '278'-'301'). | 5 | 278– 301 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '293'-'301'). | 5 | 293– 301 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '320'-'324'). | 5 | 320– 324 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '320'-'344'). | 5 | 320– 344 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '331'-'344'). | 5 | 331– 344 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'firstSnapshot' (lines '367'-'373'). | 5 | 367– 373 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'secondSnapshot' (lines '368'-'374'). | 5 | 368– 374 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '369'-'386'). | 5 | 369– 386 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '369'-'390'). | 5 | 369– 390 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'response' (lines '369'-'398'). | 5 | 369– 398 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'response' (lines '390'-'405'). | 5 | 390– 405 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'responseHeaders' (lines '441'-'455'). | 5 | 441– 455 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'responseHeaders' (lines '441'-'467'). | 5 | 441– 467 |
| DataflowAnomalyAnalysis | Found 'DD'-anomaly for variable 'resource' (lines '442'-'454'). | 5 | 442– 454 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'resource' (lines '442'-'467'). | 5 | 442– 467 |
| DataflowAnomalyAnalysis | Found 'DU'-anomaly for variable 'resource' (lines '454'-'467'). | 5 | 454– 467 |