



**ems\_db\_master\_Group8\_Demo  
1.0**

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## 1. ems\_db\_master\_Group8\_Demo

This chapter presents an overview of the project measures. This dashboard shows the most important measures related to project quality, and it provides a good starting point for identifying problems in source code.

### 1.1. Report Overview

#### Static Analysis

##### Lines of code

**368**

N/A packages

9 classes

28 methods

0.0% duplicated lines

##### Comments

**5.4%**

21 comment lines

##### Complexity

**1.0**

3.0 /class

27 decision points

#### Dynamic Analysis

##### Code Coverage

**68.9%**

N/A tests

##### Test Success

**N/A**

N/A failures

N/A errors

#### Coding Rules Issues

##### Technical Debt

**2d 2h**

##### Issues

**51**

### 1.2. Issues Analysis

| Most violated rules  |    |
|--|----|
| Avoid commented-out lines of code  | 10 |
| Package names should comply with a naming convention                                       | 9  |
| Generic exceptions Error, RuntimeException, Throwable and Exception should never be thrown | 6  |
| System.out and System.err should not be used as loggers                                    | 3  |
| Insufficient branch coverage by unit tests   | 2  |

| Most violated files          |    |
|------------------------------|----|
| CustomerDaoImplTest.java     | 15 |
| CustomerServiceImplTest.java | 14 |
| CustomerControllerTest.java  | 12 |
| CustomerController.java      | 3  |
| CustomerDAOImpl.java         | 3  |

| Most complex files           |   |
|------------------------------|---|
| CustomerController.java      | 6 |
| CustomerDAOImpl.java         | 6 |
| CustomerControllerTest.java  | 4 |
| CustomerServiceImplTest.java | 4 |
| CustomerServiceImpl.java     | 3 |

| Most duplicated files |  |
|-----------------------|--|
| No duplications       |  |

### 1.3. Issues Details

| Rule                        | Avoid commented-out lines of code |  |
|-----------------------------|-----------------------------------|--|
| File                        | Line                              |  |
| CustomerControllerTest.java | 102, 93, 65, 61, 59               |  |
| CustomerDaoImplTest.java    | 53, 69, 76, 78, 50                |  |

| Rule                         | Package names should comply with a naming convention |  |
|------------------------------|--|--|
| File                         | Line   |  |
| CustomerController.java      | 1  |  |
| CustomerDAOImpl.java         | 1  |  |
| CustomerDAO.java             | 1  |  |
| Customer.java                | 1  |  |
| CustomerServiceImpl.java     | 1  |  |
| CustomerService.java         | 1  |  |
| CustomerControllerTest.java  | 1  |  |
| CustomerDaoImplTest.java     | 1  |  |
| CustomerServiceImplTest.java | 1  |  |

|                              |  |  |
|------------------------------|--|--|
| Rule                         | Generic exceptions Error, RuntimeException, Throwable and Exception should never be thrown |  |
| File                         | Line   |  |
| CustomerControllerTest.java  | 75   |  |
| CustomerDaoImplTest.java     | 46   |  |
| CustomerServiceImplTest.java | 38, 55, 43, 31   |  |

|                              |   |  |
|------------------------------|---|--|
| Rule                         | System.out and System.err should not be used as loggers |  |
| File                         | Line  |  |
| CustomerControllerTest.java  | 88  |  |
| CustomerDaoImplTest.java     | 82  |  |
| CustomerServiceImplTest.java | 66  |  |

|                         |  |  |
|-------------------------|--|--|
| Rule                    | Insufficient branch coverage by unit tests |  |
| File                    | Line                                       |  |
| CustomerController.java | N/A  |  |
| CustomerDAOImpl.java    | N/A  |  |

|                              |                             |  |
|------------------------------|-----------------------------|--|
| Rule                         | Methods should not be empty |  |
| File                         | Line                        |  |
| CustomerServiceImplTest.java | 38                          |  |

|                              |                                   |  |
|------------------------------|-----------------------------------|--|
| Rule                         | Useless imports should be removed |  |
| File                         | Line                              |  |
| CustomerControllerTest.java  | 20, 14, 13                        |  |
| CustomerDaoImplTest.java     | 28, 11, 27, 20, 24, 17            |  |
| CustomerServiceImplTest.java | 12, 14, 11                        |  |

|                              |  |  |
|------------------------------|--|--|
| Rule                         | Tabulation characters should not be used |  |
| File                         | Line                                     |  |
| CustomerDAOImpl.java         | N/A                                      |  |
| CustomerControllerTest.java  | N/A                                      |  |
| CustomerDaoImplTest.java     | N/A                                      |  |
| CustomerServiceImplTest.java | N/A                                      |  |



| Rule                         | String literals should not be duplicated |  |
|------------------------------|--|--|
| File                         | Line                                     |  |
| CustomerController.java      | 25                                       |  |
| CustomerServiceImplTest.java | 46, 47, 48                               |  |