

**Team 1**  
**SOEN 390**

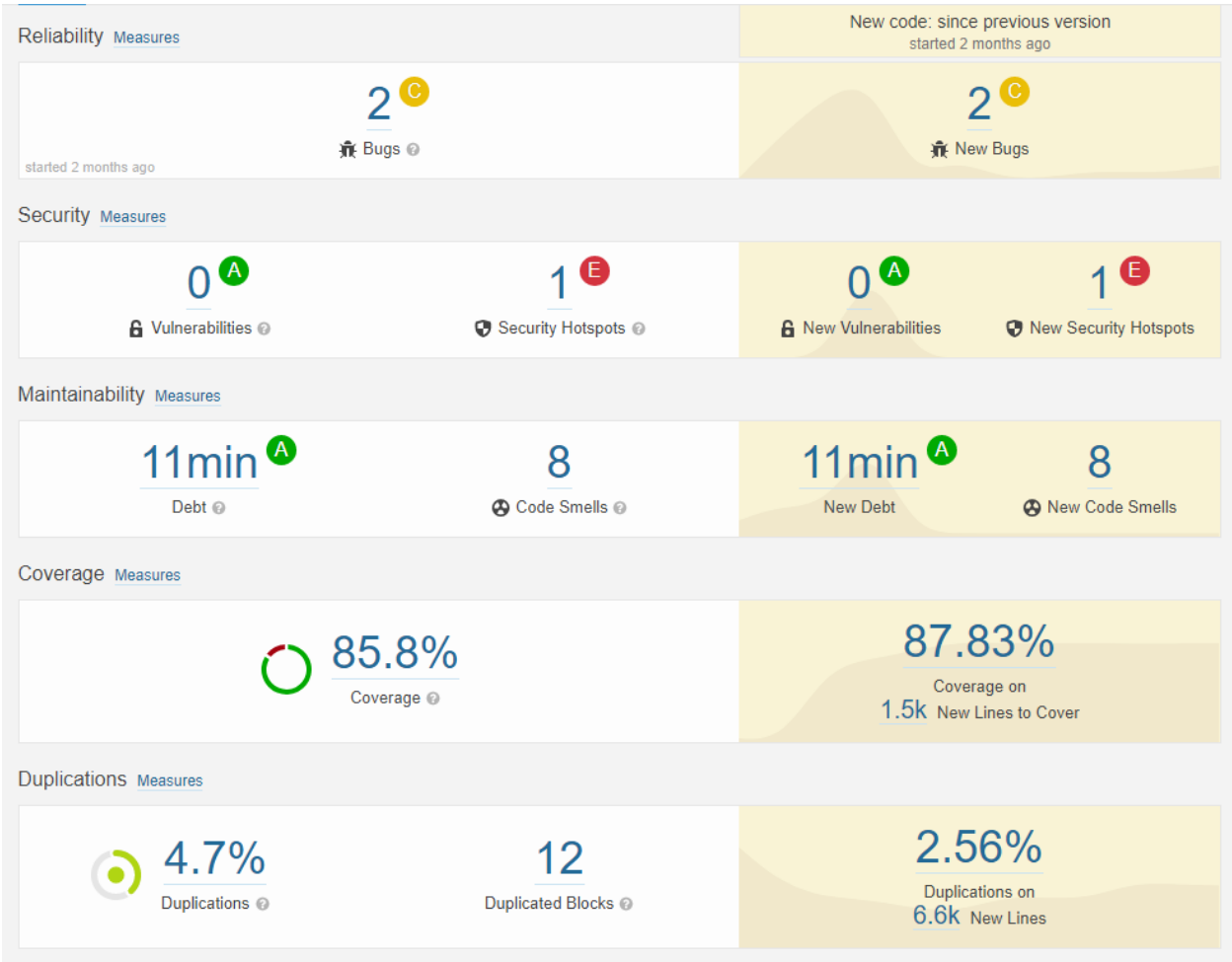
**Testing Report for**  
**Downhill ERP System**  
**Version 2.0**

**Submitted on**  
**March 17<sup>th</sup>, 2021**

Overall Project:

CLASS NAME	LINES OF CODE	BUGS	VULNERABILITIES	CODE SMELLS	SECURITY HOTSPOTS	COVERAGE	DUPLICATIONS
SPRINT 3							
Soen390-team01	4123	2	0	8	1	85.8%	4.7%

Report from SonarCloud:



Duplications [Measures](#)

4.7%

Duplications

12

Duplicated Blocks

2.56%

Duplications on 6.6k New Lines

Breakdown for Controller classes.

CLASS NAME	LINES OF CODE	BUGS	VULNERABILITIES	CODE SMELLS	SECURITY HOTSPOTS	COVERAGE	DUPLICATIONS
SPRINT 3							
AuthenticationController.cs	83	0	0	0	0	98.4%	0%
HomeController.cs	24	0	0	0	0	0%	0%
InventoryController.cs	85	0	0	0	0	88.9%	0%
TransfersController.cs	54	0	0	0	0	79.5%	0%
AccountingController.cs	65	0	0	0	0	91.7%	0%
UserManagementController.cs	70	0	0	0	0	96.6%	0%

Definitions:

Bugs: Coding error that will break the code and should be fixed immediately.

Vulnerabilities: Code that can be exploited by hackers

Code Smells: Code that is confusing and difficult to maintain.

Security Hotspots: Security-sensitive code that requires manual review to assess whether or not a vulnerability exists.

Coverage: The percentage of lines of code covered by tests.

Duplications: Lines of code that are identical.

Overall Coverage:

Coverage	LINES TO COVER	UNCOVERED LINES	LINE COVERAGE	CONDITIONS TO COVER	UNCOVERED CONDITIONS	CONDITION COVERAGE
87.8%	1492	170	88.6%	168	32	81.0%

Analysis: After not being content with our code coverage and results from Sprint 2, we concentrated a lot of time into resolving bugs and code smells while also increasing our overall code coverage for this sprint. We enforced a rule that no pull request would be approved unless it had at least 80% code coverage, this resulted in an overall code coverage increase of around 20% from the previous sprint. Additionally, all bugs in controller classes were resolved before being merges, this is why we have no bugs or code smells in these classes. In future sprints we will focus on maintaining this level of code coverage.

For further details, visit the following link to see our entire SonarCloud report:  
<https://sonarcloud.io/dashboard?id=soen390-team01>