

Report on performing static analysis using Code Sense on LMS

How to run the tool and perform the analysis:

1. Login to (using github):

https://codescene.io/login?_ga=2.207184851.1189329702.1647039275-1480747722.1647039275

2. Give permission to perform analysis on GitHub project repository
3. It's an online tool which performs all the analysis by itself and present the results in the dashboard.
4. To understand the overall quality of our code, it has a benchmark scoring criteria known as Hotspot Code Health given in a scale of 10.
5. Our code has the Hotspot Code Health of 8.44/10.
6. Along with overall code quality, it also gives the same benchmark score for each file in the project directory in a scale of 10.
7. The detail of each file score is presented using the screenshots attached with this submission. In the tool itself, one can also find the piece of code in the file that is reducing the Hotspot score, and fix in the main code base using the suggestion given in Code Sense.

CSE-4321

- Dashboard
- Scope
- Goals
- Code
- Architecture
- Team Dynamics
- System
- Delivery Performance
- Simulations



File Level Hotspots

LibraryDbContextModelSnapshot.cs CSE-4321/LightLib.Data/Migrations/ 549 LoC 1 commits		↑ 7
20210207041630_initial.cs CSE-4321/LightLib.Data/Migrations/ 493 LoC 1 commits		↑ 7
CheckoutService.cs CSE-4321/LightLib.Service/Checkout/ 162 LoC 1 commits		↑ 9
PatronService.cs CSE-4321/LightLib.Service/Patrons/ 108 LoC 1 commits		↑ 9
LibraryBranchService.cs CSE-4321/LightLib.Service/Branches/ 104 LoC 1 commits		↑ 9

PR Statistics

No PR statistics are available for this analysis.

If CodeScene's quality gates are already enabled on this project, you may simply need to run a new analysis.

PR statistics allow you to track how your developers are responding to the feedback that CodeScene provides. Learn more about PR quality gates and statistics in the [documentation](#).

[View PR Trends and Impact](#)

System Level Hotspots

System Health hotspots are not available because they haven't been enabled yet.

CSE-4321

- Dashboard
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- Hotspots
- Hotspot Code Health
- Change Coupling
- Performed Refactorings
- Architecture
- Team Dynamics
- System
- Delivery Performance
- Simulations

Track the health of key files in your codebase: hotspots and the files with goals. +

Q Search file... Sort by: Code Health

Hotspot

2021Feb 20222022-3-11

Code Health Trend

Details

LibraryDbContextModelSnapshot.cs

CSE-4321/LightLib.Data/Migrations/

Plan a goalX-rayCode Review

Healthy

Warning

Concern

7.47

Complex MethodRead MoreView Code

20210207041630_initial.cs

CSE-4321/LightLib.Data/Migrations/

Plan a goalX-rayCode Review

Healthy

Warning

Concern

7.78

Low Overall Code ComplexityLarge MethodRead MoreView Code

PatronService.cs

CSE-4321/LightLib.Service/Patrons/

Plan a goalX-rayCode Review

Healthy

Warning

Concern

9.25

Low Overall Code ComplexityHigh Degree of Code DuplicationPrimitive ObsessionRead MoreView Code

LibraryBranchService.cs

CSE-4321/LightLib.Service/Branches/

Plan a goalX-rayCode Review

Healthy

Warning

Concern

