

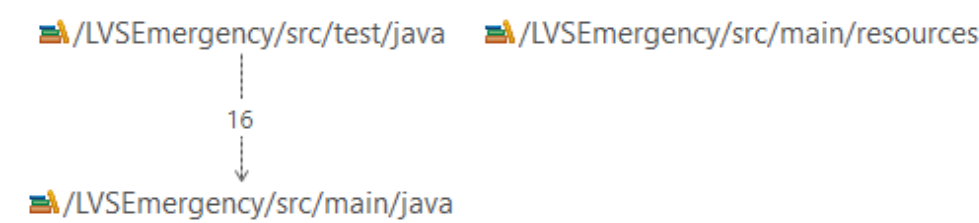
Quality Report



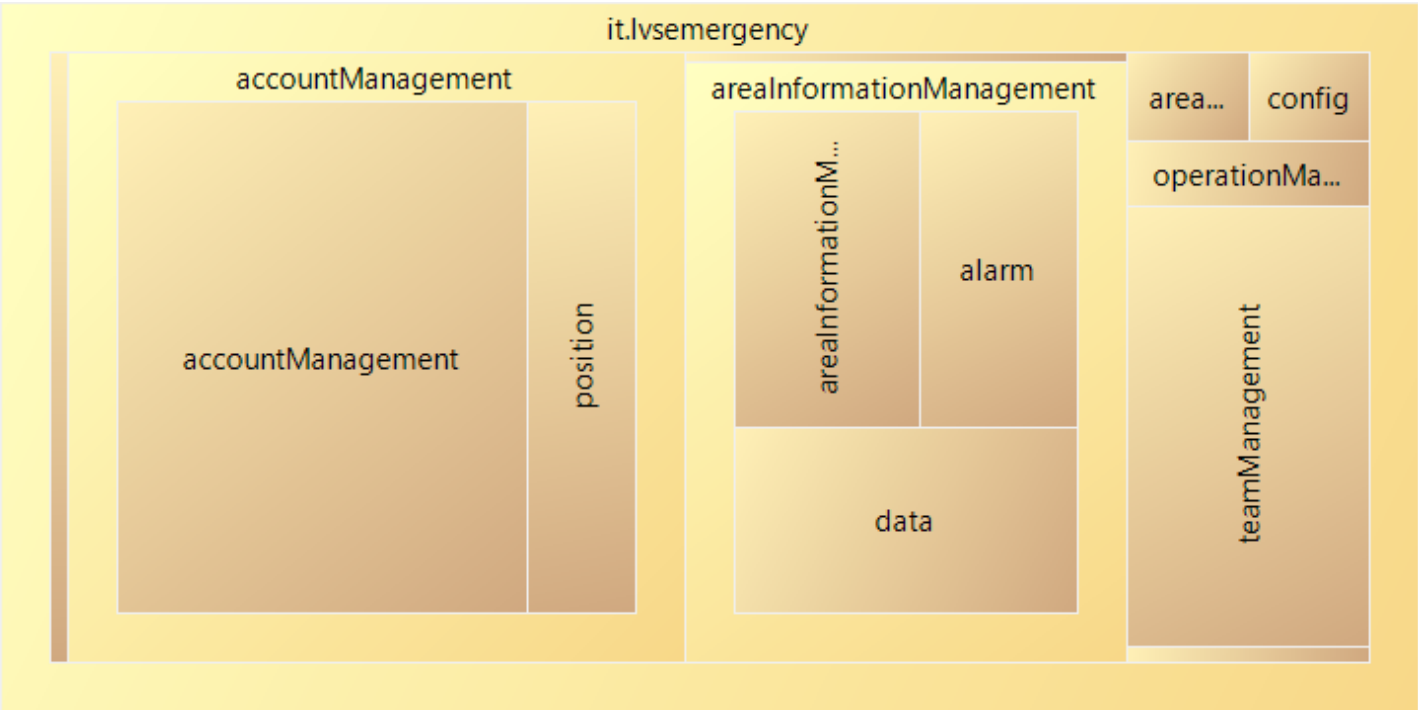
Creation Date 2022-02-20
Package Prefix it.
Level of Detail Member

Tmp_220123_212257

Library Dependency Graph



Treemap Overview











Metrics Summary

Metric	Value
Number of Libraries	3
Number of Packages	12
Number of Top Level Classes	37
Average Number of Top Level Classes per Package	3.08
Average Number of Member Classes per Class	0
Average Number of Methods per Class	7.97
Average Number of Fields per Class	2.76
Estimated Lines of Code	1298
Estimated Lines of Code per Top Level Class	35.08

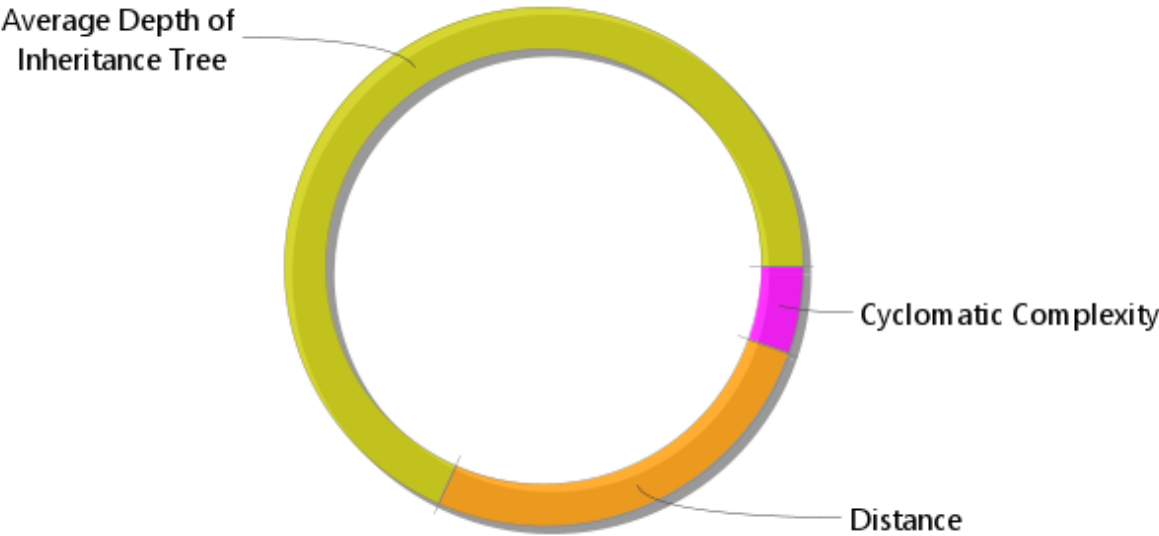
Average Cyclomatic Complexity	1.03
Fat for Library Dependencies	1
Fat for Flat Package Dependencies	7
Fat for Top Level Class Dependencies	76
Tangled for Library Dependencies	0%
Average Component Dependency between Libraries	16.67%
Average Component Dependency between Packages	8.33%
Average Component Dependency between Units	9.91%
Average Distance	0.01
Average Absolute Distance	0.39
Average Weighted Methods per Class	8.19
Average Depth of Inheritance Tree	0.86
Average Number of Children	0
Average Coupling between Objects	1.19
Average Response for a Class	9.76
Average Lack of Cohesion in Methods	28.92

Top Violations (8 of 8)

Artifact	Metric	Value
 Tmp_220123_212257	DIT	0.86
 lvsemergency.areaInformationManagement.data	D	-0.67
 lvsemergency.areaInformationManagement.alarm	D	-0.75
 lvsemergency.accountManagement.position	D	-0.67
 lvsemergency.accountManagement.User.equals(...)	CC	17
 lvsemergency.areaInformationManagement.data.AprsData.equals(...)	CC	15
 lvsemergency.operationManagement	D	1
 lvsemergency.alarmNotificationManagement	D	1

Pollution Chart

Pollution 0.55



Violations by Metric

Cyclomatic Complexity

Artifact	Value
<div><div></div>lvsemergency.accountManagement.User.equals(...)</div>	17
<div><div></div>lvsemergency.areaInformationManagement.data.AprsData.equals(...)</div>	15

Distance

Artifact	Value
<div><div></div>lvsemergency.areaInformationManagement.data</div>	-0.67
<div><div></div>lvsemergency.areaInformationManagement.alarm</div>	-0.75
<div><div></div>lvsemergency.accountManagement.position</div>	-0.67
<div><div></div>lvsemergency.operationManagement</div>	1
<div><div></div>lvsemergency.alarmNotificationManagement</div>	1

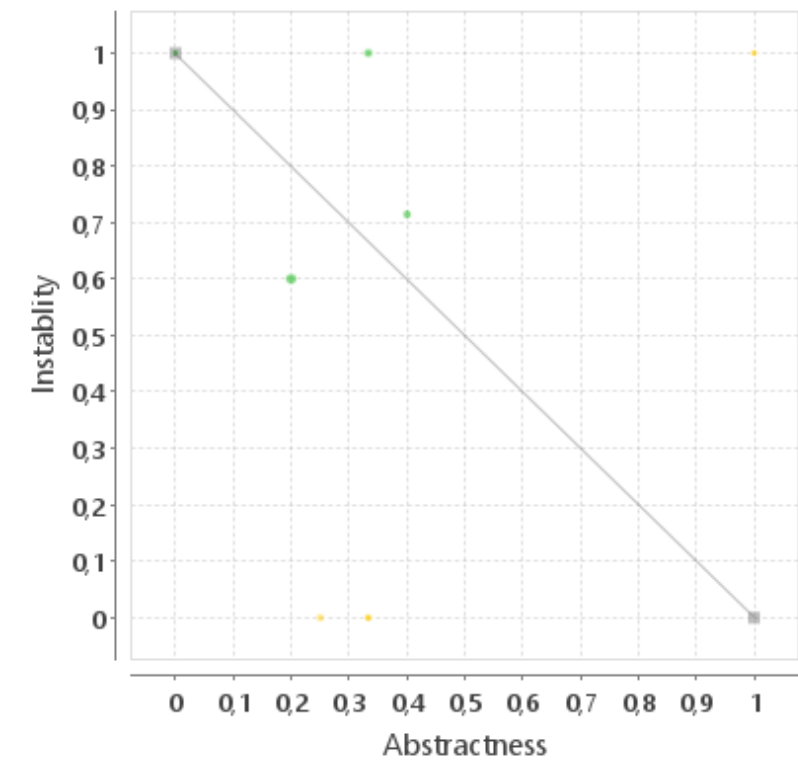
Average Depth of Inheritance Tree

Artifact	Value
<div><div></div>Tmp_220123_212257</div>	0.86

Design Tangles

There are no design tangles.

Package Distance Chart

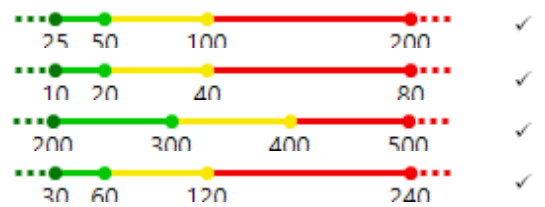


Metric Ratings

Count Metrics

Metric	Rating	Linear
<div><div></div>Number of Top Level Classes</div>	<div><div></div><div>20</div><div>40</div><div>60</div><div>80</div></div>	✓

- Number of Methods
- Number of Fields
- Estimated Lines of Code
- Estimated Lines of Code



Complexity Metrics

Metric	Rating	Linear
Cyclomatic Complexity	0 to 10 (Green), 10 to 15 (Yellow), 15 to 20 (Red)	✓
Fat	0 to 30 (Green), 30 to 60 (Yellow), 60 to 120 (Red)	✓
Fat	0 to 30 (Green), 30 to 60 (Yellow), 60 to 120 (Red)	✓
Fat	0 to 30 (Green), 30 to 60 (Yellow), 60 to 120 (Red)	✓
Tangled	0 to 1 (Red)	✓
Tangled for Library Dependencies	0 to 1 (Red)	✓
Average Component Dependency between Libraries	0 to 5 (Green), 5 to 1 (Yellow)	✓
Average Component Dependency between Packages	0 to 5 (Green), 5 to 1 (Yellow)	✓

Robert C. Martin Metrics

Metric	Rating	Linear
Distance	-1 to 0 (Green), 0 to 5 (Yellow), 5 to 1 (Red)	✓
Average Absolute Distance	0 to 4 (Green), 4 to 5 (Yellow), 5 to 1 (Red)	✓

Chidamber & Kemerer Metrics

Metric	Rating	Linear
Weighted Methods per Class	0 to 100 (Green), 100 to 200 (Yellow), 200 to 300 (Red)	✓
Depth of Inheritance Tree	0 to 4 (Green), 4 to 6 (Yellow), 6 to 8 (Red)	✓
Average Depth of Inheritance Tree	0 to 1 (Green), 1 to 0 (Yellow)	✓
Coupling between Objects	0 to 25 (Green), 25 to 250 (Yellow)	✓
Response for a Class	0 to 100 (Green), 100 to 1000 (Yellow)	✓