

Quality Report



Creation Date 2020-05-04

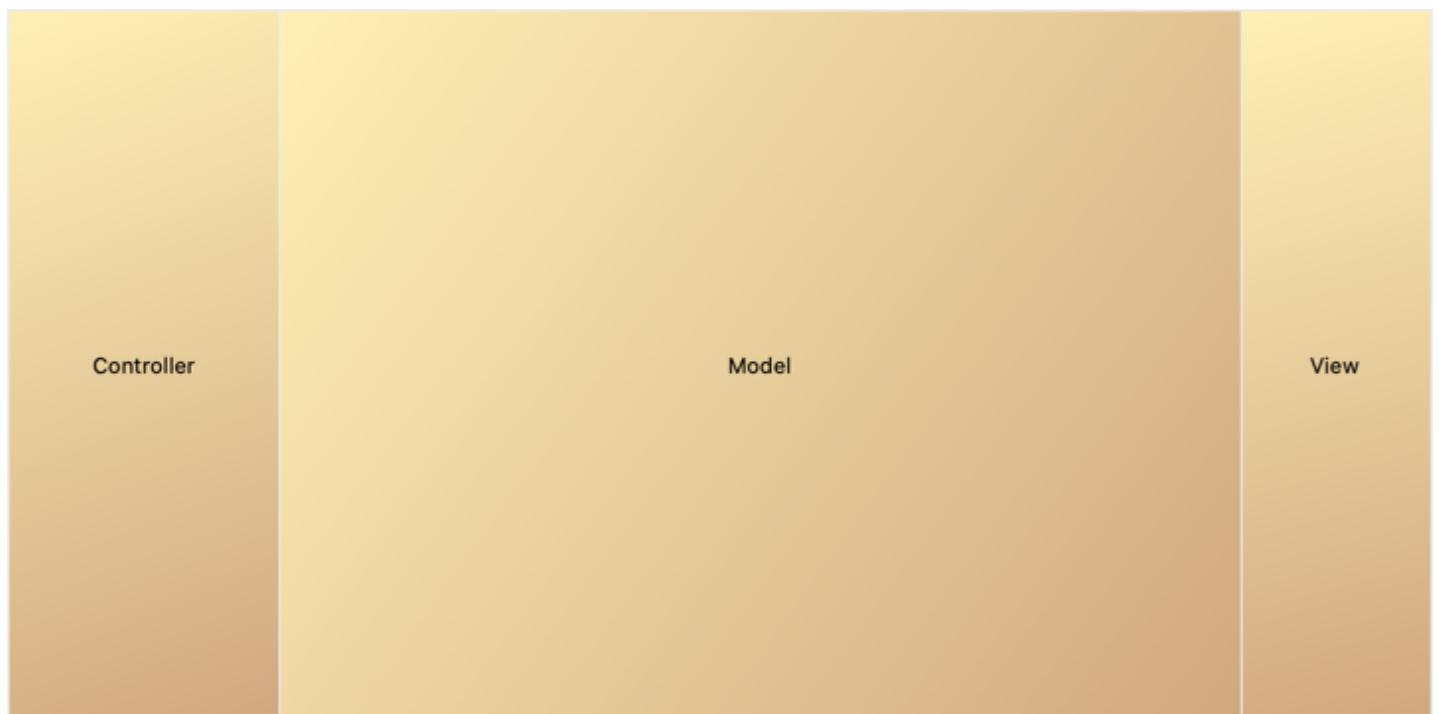
Level of Detail Class

Tmp_200504_110648

Library Dependency Graph

 /Team_08/src

Treemap Overview



Metrics Summary

Metric	Value
Number of Libraries	1
Number of Packages	3
Number of Top Level Classes	29
Average Number of Top Level Classes per Package	9.67
Average Number of Member Classes per Class	0.06
Average Number of Methods per Class	8.97
Average Number of Fields per Class	5.16
Estimated Lines of Code	2595
Estimated Lines of Code per Top Level Class	89.48
Average Cyclomatic Complexity	2.08
Fat for Library Dependencies	0
Fat for Flat Package Dependencies	6
Fat for Top Level Class Dependencies	93
Tangled	28.07%

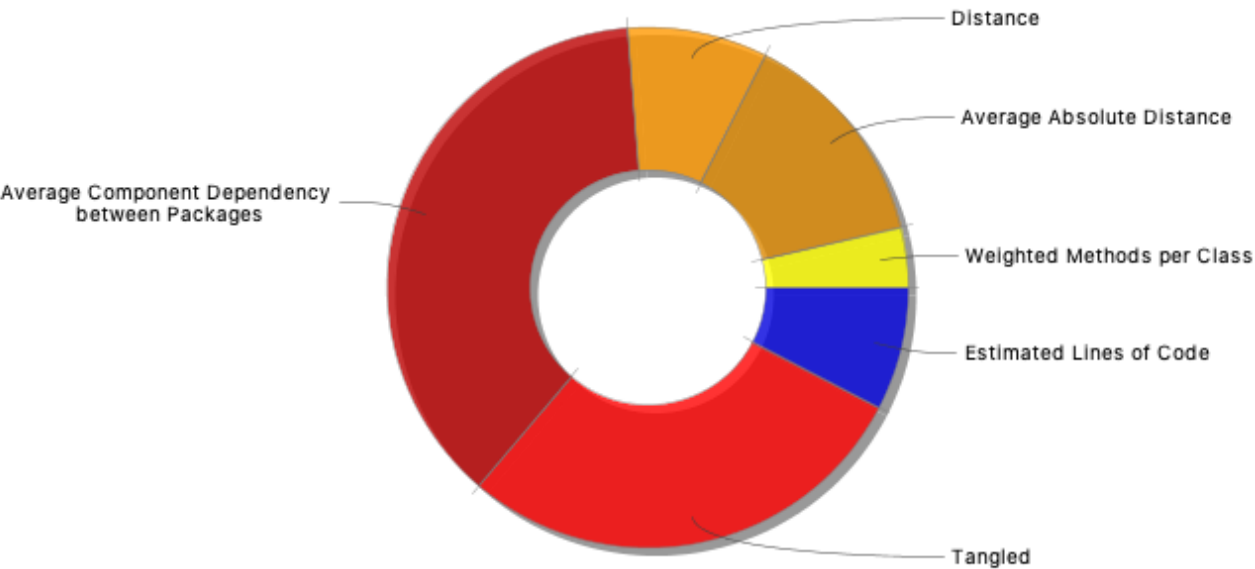
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Tangled for Library Dependencies	0%
Average Component Dependency between Libraries	0%
Average Component Dependency between Packages	100%
Average Component Dependency between Units	74.14%
Average Distance	-0.41
Average Absolute Distance	0.41
Average Weighted Methods per Class	18.61
Average Depth of Inheritance Tree	1.32
Average Number of Children	0.32
Average Coupling between Objects	n/a
Average Response for a Class	n/a
Average Lack of Cohesion in Methods	n/a

Top Violations (6 of 6)

Artifact	Metric	Value
 Tmp_200504_110648	ACD - Package	100%
 Tmp_200504_110648	Tangled	28.07%
 Tmp_200504_110648	D	0.41
 Model	D	-0.52
 Model.Dot	ELOC	506
 Model.Dot	WMC	145


Pollution Chart

Pollution 2.66




Violations by Metric


Estimated Lines of Code

Artifact	Value
 Model.Dot	506


Tangled

Artifact	Value
 Tmp_200504_110648	28.07%


Average Component Dependency between Packages

Artifact	Value
 Tmp_200504_110648	100%


Distance

Artifact	Value
 Model	-0.52



Average Absolute Distance

Artifact	Value
 Tmp_200504_110648	0.41

Weighted Methods per Class

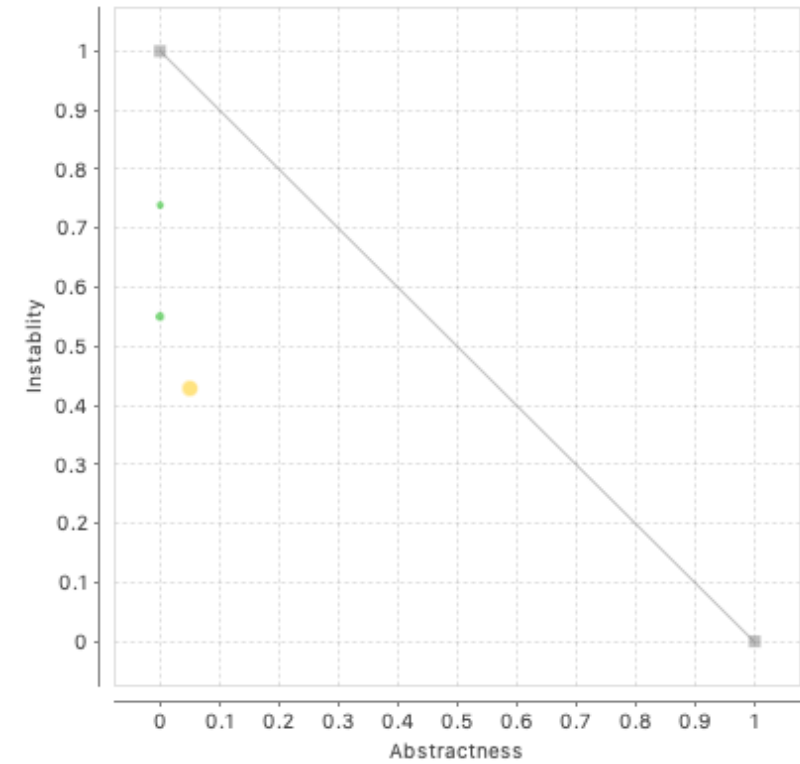
Artifact	Value
 Model.Dot	145

Design Tangles

 Tangle inside  Tmp_200504_110648 (#nodes=3, #edges=6, weight=57, *fas* size=3, weight=16)



Package Distance Chart



Metric Ratings

Count Metrics

Metric	Rating	Linear
Number of Top Level Classes		✓
Number of Methods		✓
Number of Fields		✓
Estimated Lines of Code		✓
Estimated Lines of Code		✓

Complexity Metrics

Metric	Rating	Linear
Cyclomatic Complexity		✓
Fat		✓
Fat		✓
Fat		✓
Tangled		✓
Tangled for Library Dependencies		✓
Average Component Dependency between Libraries		✓
Average Component Dependency between Packages		✓

Robert C. Martin Metrics

Metric	Rating	Linear
Distance		✓
Average Absolute Distance		✓

Chidamber & Kemerer Metrics

Metric	Rating	Linear
 Weighted Methods per Class		✓
 Depth of Inheritance Tree		✓
 Average Depth of Inheritance Tree		✓
 Coupling between Objects		✓
 Response for a Class		✓

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