

Complexity Report- 13410378

Modules

Phase 1 Modules		Phase 2 Modules		Uses – Phase 2	Fan-Out Phase 2	V(I)	V(I) / Fan- out+1
Model		Model			0	0	0
Repository		Entity			0	0	0
Controller		Validator		Model	1	1	0.5
Main		Utility		Model	1	1	0.5
		Controller		DAO, Model, Validator, Utility	16	4	0.235294118
		Config		DAO, Authentication	4	2	0.4
		Authentication		DAO, Entity	4	2	0.4
		DAO		Entity	1	1	0.5
		Front-End		Controller	1	1	0.5

Metrics

Metric	Phase 1	Phase 2	Comments_Phase1	Comments_Phase2
Structural Complexity	11	28	Value is the sum of the fan-out value squared for all the modules	Value is the sum of the fan-out value squared for all the modules

Data Complexity	0.416666667	3.035294118	Calculated based on the name and id input variables that are accepted by each module. e.g. name can be passed to the model module to receive a user with that name	Calculation is based on the objects of the different type used in each module e.g. The utility module has a model object. Each module only has object of the module it depends on.
System Complexity	11.416666667	31.03529		
Cohesion	0	0		
Coupling	0	0		
Cyclomatic Complexity	1	14	Current main function only calls the applications run function.	Main controller maps 14 request mappings