



WEB CODE METRICS

Social Media Network



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Web Metrics at System Level

Metrics Name	Description
Total WebPage#	45 Web Pages
Total LOC#	24051Lines
ServerScript#	111 Server scripts
ClientScript#	104 ClientScripts
WebObject#	0
InterfceObject#	2 Interface_Objects
TotalData#	91 (PHP) + 172 (static) = 263 Data Variables
I/OField#	45 Input Fields + 35 Output Fields = 80 I/O Fields
TotalConnectivity#	336
TotalLanguages#	HTML, JavaScript, CSS, JQuery, PHP, My SQL (7)

Component level metrics for **Login**

Metrics Name	Description
WebPageTag#	34 tags
WebPageScript#	2 scripts
PageWeb Object#	0 Web Objects
WebPage I/O#	4 I/O webpages
WebPageRelationships#	2
PageCodeSize#	121 Lines SLOC → 112
PageInterface#	2 Interfaces
WebObjectSize#	0
WebPageData#	5 Data Variables
WebPageCouplingData#	4 (datastring, localStorage)
InnerComponents#	5 components
WebPageComplexity#	The most complex function has a cyclometric complexity value of 2
WebPageControlStructures#	1 Control Structure
PageLanguages#	HTML, JavaScript, CSS, JQuery, PHP, My SQL
ScriptSize#	32 Lines

Component level metrics for **Dashboard**

Metrics Name	Description
WebPageTag#	154 Tags
WebPageScript#	11 Scripts
PageWeb Object#	0 Web Objects
WebPage I/O#	29 I/O Objects
WebPageRelationships#	9
PageCodeSize#	2156 Lines SLOC=1802 Lines
PageInterface#	4 Interfaces
WebObjectSize#	0
WebPageData#	4 Data variables
WebPageCouplingData#	3
InnerComponents#	16 components
WebPageComplexity#	The most complex function has a cyclometric complexity value of 2
WebPageControlStructures#	10 Control Structures
PageLanguages#	HTML, JavaScript, CSS, JQuery, PHP, My SQL
ScriptSize#	330 Lines

Component level metrics for Profile

Metrics Name	Description
WebPageTag#	52 Tags
WebPageScript#	11 Scripts
PageWeb Object#	0 Web Objects
WebPage I/O#	11 I/O Objects
WebPageRelationships#	6
PageCodeSize#	1049 Lines, SLOC → 645
PageInterface#	3 Interfaces
WebObjectSize#	0
WebPageData#	4 Data Variables
WebPageCouplingData#	2
InnerComponents#	9 components
WebPageComplexity#	The most complex function has a cyclometric complexity value of 4
WebPageControlStructures#	8 Control Structures
PageLanguages#	HTML, JavaScript, CSS, JQuery, PHP, My SQL
ScriptSize#	217 Lines

Component level metrics for Admin

Metrics Name	Description
WebPageTag#	73 Tags
WebPageScript#	7 Scripts
PageWeb Object#	0 Web Objects
WebPage I/O#	5 I/O Objects
WebPageRelationships#	5
PageCodeSize#	1680 Lines, SLOC → 1236
PageInterface#	4 Interfaces
WebObjectSize#	0
WebPageData#	8 Data Variables
WebPageCouplingData#	1
InnerComponents#	5 components
WebPageComplexity#	The most complex function has a cyclometric complexity value of 3
WebPageControlStructures#	5 Control Structures
PageLanguages#	HTML, JavaScript, CSS, JQuery, PHP, My SQL
ScriptSize#	340 Lines

Component level metrics for Reviews

Metrics Name	Description
WebPageTag#	61 Tags
WebPageScript#	1 Scripts
PageWeb Object#	0 Web Objects
WebPage I/O#	6 I/O Object
WebPageRelationships#	14
PageCodeSize#	213 Lines, SLOC → 201
PageInterface#	3 Interfaces
WebObjectSize#	0 Lines
WebPageData#	9 Data Variables
WebPageCouplingData#	3
InnerComponents#	3 Components
WebPageComplexity#	Cyclometric complexity value → 4
WebPageControlStructures#	3 Control Structures
PageLanguages#	HTML, JavaScript, CSS, JQuery, PHP, My SQL
ScriptSize#	64 Lines

Component level metrics for **My Post**

Metrics Name	Description
WebPageTag#	9 Tags
WebPageScript#	3 Scripts
PageWeb Object#	0 Web Objects
WebPage I/O#	16 Web I/O Objects
WebPageRelationships#	15
PageCodeSize#	70 Lines, SLOC → 50
PageInterface#	2 Interfaces
WebObjectSize#	0
WebPageData#	5 Data Variables
WebPageCouplingData#	3
InnerComponents#	16 Components
WebPageComplexity#	The most complex function has a cyclometric complexity value of 3
WebPageControlStructures#	4 Control Structures
PageLanguages#	HTML, JavaScript, CSS, JQuery, PHP, My SQL
ScriptSize#	23 Lines

Coupling

Our system follows DATA COUPLING as all the variables that are used in the functions are local variables none of them are global variables and all functions will just receive the arguments.

Cohesion

Our system follows both PROCEDURAL and COMMUNICATIONAL COHESION. Both front end and back end retrieve data from PHP so it is communicational, and elements of particular component are related only to ensure a particular order of execution.