

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# | 24051 Lines |
| ServerScript# | 111 Server scripts |
| ClientScript# | 104 ClientScripts |
| WebObject# | 8 |
| InterfaceObject# | 22 Interface_Objects |
| TotalData# | 91 (PHP) + 172 (static) = 263 Data Variables |
| I/OField# | 45 Input Fields + 35 Output Fields = 80 I/O Fields |
| 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# | 1 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# | 16 components |
| WebPageComplexity# | The most complex function has a cyclometric complexity value of 2 |
| WebPageControlStructures# | 7 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# | 7 components |
| WebPageComplexity# | The most complex function has a cyclometric complexity value of 2 |
| WebPageControlStructures# | 42 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# | 1 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# | 19 components |
| WebPageComplexity# | The most complex function has a cyclometric complexity value of 4 |
| WebPageControlStructures# | 15 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# | 1 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# | 1 Components |
| WebPageComplexity# | Cyclometric complexity value → 4 |
| WebPageControlStructures# | 13 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 |
| 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# | 0 Components |
| WebPageComplexity# | The most complex function has a cyclometric complexity value of 3 |
| WebPageControlStructures# | 3 Control Structures |
| PageLanguages# | HTML, JavaScript, CSS, JQuery, PHP, My SQL |
| ScriptSize# | 23 Lines |

Component level metrics for **My Followers**

| Metrics Name | Description |
|---------------------------|---|
| WebPageTag# | 9 Tags |
| WebPageScript# | 3 Scripts |
| PageWeb Object# | 0 |
| WebPage I/O# | 16 Web I/O Objects |
| WebPageRelationships# | 11 |
| PageCodeSize# | 108 Lines, SLOC → 102 |
| PageInterface# | 2 Interfaces |
| WebObjectSize# | 0 |
| WebPageData# | 5 Data Variables |
| WebPageCouplingData# | 3 |
| InnerComponents# | 0 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# | 29 Lines |

Component level metrics for My Following

| Metrics Name | Description |
|---------------------------|---|
| WebPageTag# | 9 Tags |
| WebPageScript# | 3 Scripts |
| PageWeb Object# | Web Objects |
| WebPage I/O# | 16 Web I/O Objects |
| WebPageRelationships# | 11 |
| PageCodeSize# | 110 Lines, SLOC  105 |
| PageInterface# | 2 Interfaces |
| WebObjectSize# | 0 |
| WebPageData# | 5 Data Variables |
| WebPageCouplingData# | 3 |
| InnerComponents# | 0 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# | 29 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.

Web Objects

When talking about objects, you refer to *variables* belonging to these objects as properties (or *attributes* or *fields*), and *functions* are called methods.

InnerComponents

InnerComponents = pageforms+ web objects + page scripts + page frames

Control Structures

Control Structures are loops, like **for**, and conditionals, such as **if**. Most of these will be familiar to the javascript programmer, and this page is basically a list.