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| **Class:** Graph | | |
|  | **Responsibilities** | **Collaborations** |
| g\_1 | Displays graph | ui\_3 |
| g\_2 | Displays table | ui\_3 |
| g\_3 | Displays timeline | ui\_3 |
| g\_4 | Returns pdf of the graph | ui\_2, ui\_4 |
| g\_5 | Returns csv of the graph | ui\_2, ui\_4 |
| g\_6 | Generates graph | vd\_1 |

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| **Class:** Log Entry | | |
|  | **Responsibilities** | **Collaborations** |
| le\_1 | Divides log files | lf\_1 |
| le\_2 | Stores date, time, description |  |
| le\_3 | Search log entries | ui\_2, ui\_3 |
| le\_4 | Filter log entries | ui\_2 , ui\_3 |

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| **Class:** Vector | | |
|  | **Responsibilities** | **Collaborations** |
| v\_1 | Saves nodes to vector | ui\_2, n\_1 |
| v\_2 | Saves connectors relevant to nodes in the vector | ui\_2, c\_1 |
| v\_3 | Create vector | ui\_2 |
| v\_4 | Edit vector name | ui\_2 |
| v\_5 | Delete vector | ui\_2 |
| v\_6 | Edit vector description | ui\_2 |
| v\_7 | Delete node from vector | ui\_2 |

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| **Class:** Node | | |
|  | **Responsibilities** | **Collaborations** |
| n\_1 | Groups icon, timestamp, description, and a unique id | i\_1 |
| n\_2 | Generates node | ui\_2, le\_2, i\_1 |

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| **Class:** Enforcement Action Report | | |
|  | **Responsibilities** | **Collaborations** |
| ea\_1 | Determines list of errors per file | dv\_1, dc\_1 |
| ea\_2 | Displays list of files without error | ui\_3 |
| ea\_3 | Displays list of files with error number | ui\_3 |

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| **Class:** Event Configuration | | |
|  | **Responsibilities** | **Collaborations** |
| ec\_1 | Saves event name | ui\_2 |
| ec\_2 | Saves event description | ui\_2 |
| ec\_3 | Saves event start and end timestamps | ui\_2 |

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| **Class:** Icon | | |
|  | **Responsibilities** | **Collaborations** |
| i\_1 | Saves references to image files for icons | ui\_2 |
| i\_2 | Add icon | ui\_2 |
| i\_3 | Delete icon | ui\_2 |

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| **Class:** User Interface | | |
|  | **Responsibilities** | **Collaborations** |
| ui\_1 | Pushes changes to main branch |  |
| ui\_2 | Input user data |  |
| ui\_3 | Output on screen |  |
| ui\_4 | Export file |  |

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| **Class:** Connectors | | |
|  | **Responsibilities** | **Collaborations** |
| c\_1 | Saves reference to parent and child node | ui\_2, n\_1 |

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| **Class:** Data Validator | | |
|  | **Responsibilities** | **Collaborations** |
| dv\_1 | Checks whether data is in date and time range | ec\_3, lf\_1 |

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| **Class:** Data Ingestor | | |
|  | **Responsibilities** | **Collaborations** |
| di\_1 | Takes in data that has either been validated or approved manually | ui\_2, dv\_1, lf\_1 |

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| **Class:** Data Cleanser | | |
|  | **Responsibilities** | **Collaborations** |
| dc\_1 | Removes empty rows and columns | lf\_1 |

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| **Class:** Lead Interface | | |
| **Superclas:** User Interface | | |
|  | **Responsibilities** | **Collaborations** |
| li\_1 | Approves merges to main branch |  |

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| **Class:** Directory Configuration | | |
|  | **Responsibilities** | **Collaborations** |
| dir\_1 | Determines root directory | ui\_2 |
| dir\_2 | Determines red folder | ui\_2 |
| dir\_3 | Determines white folder | ui\_2 |
| dir\_4 | Determines blue folder | ui\_2 |

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| **Class:** Log File | | |
|  | **Responsibilities** | **Collaborations** |
| lf\_1 | Stores internal representations of files found in root directory and team folders | dir\_1, dir\_2, dir\_3, dir\_4 |

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| **Class:** Vector DB Interface | | |
|  | **Responsibilities** | **Collaborations** |
| vd\_1 | Saves changes to vector database | ui\_1, li\_1 |