CRC Assignment

**Responsibilities & Collaborations**

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| **Class:** Event | |
| **Description:** Create and save the event settings for an adversarial assessment event. | |
| **Responsibilities**   1. Create and save the event based Start date, end date, etc. | **Collaborations** |

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| **Class:** Team | |
| **Description:** Setup the Lead environment for the specified event. | |
| **Responsibilities**   1. Setup and connect the lead host machine where the master vector DB is stored. 2. Keep track of the number of established connections. | **Collaborations** |

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| **Class:** Icon | |
| **Description:** Manage icons to be used within the graphing component of the system. | |
| **Responsibilities**   1. Save new icon name and source based on input. 2. Update existing icon fields. 3. Delete selected icons. | **Collaborations** |

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| **Class:** Directory | |
| **Description:** Manage the directories that will be read from to retrieve log files | |
| **Responsibilities**   1. Reference all directories that will be needed to retrieve log files 2. Start data ingestion | **Collaborations**   * **8 -> Event: 1** |

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| **Class:** Vector | |
| **Description:** A vector is an important sequence of actions that have been observed/recorded | |
| **Responsibilities**   1. Reference log entries and nodes that have been associated to this vector 2. Vectors will remember a description | **Collaborations**   * **9-> Node: 21** |

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| **Class:** Log Entries | |
| **Description:** Normalized data that was extracted from Splunk | |
| **Responsibilities**   1. Store a reference to originating log file path, timestamps, originating team, description, etc. 2. Create and store reference to node if one was created from this log entry | **Collaborations**   * **11 -> Directory: 7** |

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| **Class:** Cleansing | |
| **Description:** Sends log files to transcriptions if needed and cleanses the files. | |
| **Responsibilities**   1. Audio Transcription 2. OCR Transcription 3. Remove unwanted characters | **Collaborations**   * **13 -> Directory: 8** * **14 -> Directory: 8** * **15 -> Directory: 8** |

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| **Class:** Validation | |
| **Description:** Validates log files that have been cleansed. | |
| **Responsibilities**   1. Check received log files for confirmation. 2. Approve/Deny Validation. | **Collaborations**   * **16 -> Cleansing: 13** * **16 -> Cleansing: 14** * **16 -> Cleansing: 15** * **17 -> Cleansing: 13** * **17 -> Cleansing: 14** * **17 -> Cleansing: 15** |

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| **Class:** Enforcement Action Report | |
| **Description:** References the status of log files and their error descriptions. Has the option to cancel the ingestion of selected log files. | |
| **Responsibilities**   1. Reference log files that could not be ingested 2. Store error descriptions for log files 3. Cancel Ingestion | **Collaborations**   * **18 -> Validation: 17** |

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| **Class:** Node | |
| **Description:** Is a graphical representation of a log entry that has been assigned to a vector. | |
| **Responsibilities**   1. Reference a single log entry that has been associated to a selected vector 2. Shall have the ability to display/hide node properties such as node id, node name, node timestamp, etc. 3. Shall have the ability to display/hide a node from being displayed on the graph. | **Collaborations**   * **21 -> Log Entries: 12** * **22 -> Icon 4** * **23 -> Icon 4** |

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| **Class:** Graph | |
| **Description:** Displays nodes in either graphical or tabular view. | |
| **Responsibilities**   1. Will display data from a vector 2. Will have the ability to display the graph in vertical/horizontal position 3. Will have the ability to zoom in and zoom out into the graph 4. Will have the ability to export a graph in a selected format 5. Will have the ability to display the graph in the selected time interval units 6. Will reference a connector in order to represent relationships between nodes 7. Shall have the ability to add, edit or remove nodes from the graph. 8. Shall have the ability to be committed. | **Collaborations**   * **24 -> Vector 9** * **24 -> Vector 10** * **29 -> Connector 31** * **29 -> Connector 32** * **29 -> Connector 33** * **29 -> Connector 34** * **30 -> Node: 22** * **30 -> Node: 23** * **31 -> Commit: 36** * **31 -> Commit: 37** |

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| **Class:** Connector | |
| **Description:** Establishes the relationship between two nodes. | |
| **Responsibilities**   1. A connector shall store the relationship between two nodes only. 2. A connector shall store a relationship identity number. 3. A connector shall store whether a node has been identified as a parent/child in the relationship 4. A connector shall store a label for the relationship | **Collaborations**   * **32 -> Node: 21** |

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| **Class:** Commit | |
| **Description:** Will keep a record of all the changes made | |
| **Responsibilities**   1. Shall create a backup of all changes made to the report 2. Confirm all changes will be updated within the previous version | **Collaborations**   * **36 -> Team: 2** * **37 -> Team: 2** |