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| **Class Name:** Alert | |
| **Description:** Manage communication and creation of new malfunctions | |
| **Contracts:**  #. Generate Alert  - Generate an Alert with given parameters  - Send Alert to FD Interface  **Private Responsibilities:**  - Generate SMS/ e-mail  - Update FD Interface | **Collaborations:**  FD Interface(#)  Malfunction(#) |
| **Comments**  Known attributes: Building(s), Data, Time, Sensor(s) | |

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| **Class Name:** Building | |
| **Description:** Abstraction of each building on campus | |
| **Contracts:**  #. Calculate Consumption  - Calculate total Building consumption values  **Responsibilities:**  - Manage Sensors  - Calculate consumption of Building objects | **Collaborations:**  Consumption(#)  Map Graphic(#)  Sensor(#) |
| **Comments:**  Known Attributes: Geolocation, and Sensor(s) | |

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| **Class Name:** Consumption | |
| **Description:** Abstract class used to compute consumption data | |
| **Contracts:**  #. Generate Graph data  - Compute graph data by calculated consumption values.  **Responsibilities:**  - Compute Consumption | **Collaborations:**  Building(#)  Graphic Graphic(#) |
| **Comments:**  Used with the Sensor and Building classes to compute consumption statistics of sensor(s) and/or building(s) | |

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| **Class Name:** Facility Director Interface (FD Interface) | |
| **Description:** Handles the dynamic data requests between the facility director and the system | |
| **Contracts:**  #. Display Alerts  - Display given Alerts to FD Interface  **Responsibilities:**  - Display FD interface | **Collaborations:**  Interface(#)  Alert(#) |
| **Comments:**  Requires successful login by a user with facility director credentials | |