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| **Use Case Name** | Receive Bus Health Alert |
| **Use Case ID** | 4 |
| **Primary Actors** | Bus Driver and UTD Transport Department |
| **Stakeholders & Interests** | UTD Transport Department – wants to know if bus health is low and send extra bus before bus breaks down |
| **Brief Description** | This use case describes the process of getting alert if bus health is low |
| **Trigger** | Bus health becomes lower than safety threshold |
| **Trigger Type** | External Trigger |
| **Relationships** | |
| **Association** | Bus Driver and UTD Transport Department |
| **Include** |  |
| **Extend** |  |
| **Generalization** |  |
| **Normal Flow of Events** | |
| 1. Capture health metrics from different components of the bus 2. Store health metrics into server 3. Process and compare to check if any component’s health is below safety threshold 4. Send alert to UTD Transport Department and Bus Driver to bring the bus in for maintenance. 5. Send extra bus to the location where the called-off bus was present. | |
| **Sub Flows** | |
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| **Alternate/Exception Flows** | |
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