# Scenario Title

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| **Scenario name** | *Secure Data Transfer* | |
| **Participating actors** | **Initiated by** *microbits, Sender and Receiver* | |
| **Flow of events** | **1)** *Someone chooses to send data* | |
|  |  | **2)** *Data passed to microbit* |
|  | **3)** *Someone receives the data* | |
|  |  | **4)** *Data is read without any garbage or data loss* |
| **Entry conditions** | *Data* | |
| **Exit conditions** | *Data in the same form as entered* | |
| **Invariants** | *Type of data* | |
| **Quality requirements** | *No data loss and no additional information added to data* | |
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# Scenario Title

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| **Scenario name** | *Data Loss in Transfer* | |
| **Participating actors** | **Initiated by** *microbits, Sender and Receiver* | |
| **Flow of events** | **1)** User sends data | |
|  |  | **2)** *Data loss when passing over to microbit. System sends signal to sender to recover data unsent* |
|  | *3) User receives data* | |
|  |  | 4) Data is read and received in completion |
| **Entry conditions** | *Complete Data* | |
| **Exit conditions** | *Incomplete Data* | |
| **Invariants** | *Type of data* | |
| **Quality requirements** | *No data loss and no additional information added to data* | |
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# Scenario Title

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| **Scenario name** | *Data Transfer with Garbage Data* | |
| **Participating actors** | **Initiated by** *microbits, Sender and Receiver* | |
| **Flow of events** | **1)** User sends data | |
|  |  | **2)** Data sent will be tagged to indicate it is the correct data |
|  | **3)** User receives data | |
|  |  | **4)** Correct data is read and data received without the tag will be disposed |
| **Entry conditions** | Data with tags | |  | **4)** |
| **Exit conditions** | Data with tags and garbage data without tags | |
| **Invariants** | *Type of data* | |
| **Quality requirements** | *No data loss and no additional information added to data* | |
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