Use Case Scenario

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| Nr. and Name: | 1, Applying Insulin |
| Scenario: |  |
| Short Description: | The system measures the level of blood sugar and injects the correct amount of Insulin if required. |
| Actors: | User, Pharmacy, PIP-Producer |
| Starting Event and Preconditions: | User has received a PIP |
| Result and Postconditions: | Correct amount of Insulin has been injected |

Steps:

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| Nr. | Actor | Description |
| 1 | User | User attaches a PIP to himself |
| 2 | System | PIP measures the blood sugar level at periodic intervals |
| 3 | System | Readings are compared |
| 4 | System | Readings indicate rising of glucose |
| 5 | System | Insulin is injected |
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Exceptions, Variants:

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| Nr. | Actor | Step |
| 2.1 | System | Batteries of the PIP are empty |
| 2.1a | User | Buy new batteries |
| 2.1b | User | Put new batteries into the PIP |
| 2.2 | System | PIP does not work |
| 2.2a | User | PIP is sent back to the PIP producer |
| 2.2b | PIP-Producer | New PIP is sent to the user |
| 4.1 | System | Readings indicate no change of glucose |
| 4.1a | System | Readings are stored for further comparison |
| 5.1 | System | PIP runs out of insulin |
| 5.1a | Pharmacy | Patient gets new insulin from a pharmacy |
| 5.1b | User | Put insulin into the PIP |