# TCT: US2.001– Access the 'Threshold List' section

## TEST: TA-001

### **DESCRIPTION**: Access to the 'Threshold List' section and viewing thresholds for a selected parameter.

### **PRECONDITION**: The actor has access to the Remote Control module and is in the main interface of that module.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Selection of the 'Thresholds' sub-option from the Remote Control module menu. | The system displays a form for selecting parameters. |
| 2 | Selection of a parameter from the list provided by the system. | The system performs a search for the thresholds related to the selected parameter. |
| 3 | Waiting for the system to complete the search. | The system displays the list of thresholds defined for the given parameter. |

# US1.002 – Insert threshold

## TEST: TA-001

### **DESCRIPTION**: Insertion of a threshold associated with a parameter.

### **PRECONDITION**: The main flow of the use case TCT: US2.001 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on 'add threshold' | The interface with the fields to be filled in is displayed |
| 2 | Fill in the fields and click on 'save' | The system saves the set threshold and displays it in the list |

## TEST: TA-002

### **DESCRIPTION**: Cancellation during threshold entry.

### **PRECONDITION**: The main flow of use case TCT: US2.001 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on 'add threshold' | The interface with fields to fill in is displayed |
| 2 | Click on 'cancel' | The threshold creation interface closes and the list of thresholds associated with the selected parameter is displayed without changes |

## TEST: TA-003

### **DESCRIPTION**: Error due to failure in filling the minimum or maximum threshold fields

### **PRECONDITION**: The main flow of use case TCT: US2.001 has been executed

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on the 'add threshold' button | The interface with fields to be filled in is displayed |
| 2 | Do not fill in the 'Minimum Threshold' field or the 'Maximum Threshold' field and click 'save' | The error message 'Enter at least one threshold' is displayed |

# TCT: US1.003– Display threshold details

## TEST: TA-001

### **DESCRIPTION**: Displaying details of a previously created threshold associated with a parameter.

### **PRECONDITION**: There is at least one threshold in the database.

### The main flow of the use case TCT: US2.001 has been executed.

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on 'view details' for a specific threshold | The system searches for the threshold details |
| 2 | No input required (automatic process) | The system retrieves the threshold details from the database |
| 3 | No input required (automatic process) | The system displays the threshold details on a page with editable fields |

# TCT: US1.004 – Update threshold

## TEST: TA-001

### **DESCRIPTION**: Update of a previously defined threshold for a parameter

### **PRECONDITION**: At least one threshold exists in the database. The main flow of use case TCT: US1.003 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on the 'Edit' button | The system displays the editable fields for the threshold |
| 2 | Edit a field and click on 'save' | The system saves the changes and shows the updated list of thresholds for the selected parameter |

## TEST: TA-002

### **DESCRIPTION**: Cancellation of threshold modification during operation

### **PRECONDITION**: Almeno una soglia esiste nel database. The main flow of use case TCT: US1.003 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click the 'Edit' button | The system displays the editable fields for the threshold |
| 2 | Click the 'Cancel' button | The system returns to the previous screen |

## TEST: TA-003

### **DESCRIPTION**: Error due to missing completion of 'Minimum Threshold' or 'Maximum Threshold' fields.

### **PRECONDITION**: At least one threshold exists in the database. The main flow of the use case TCT: US1.003 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click the 'Edit' button | The system displays the editable fields for the threshold |
| 2 | Leave the 'Minimum Threshold' or 'Maximum Threshold' field empty and click 'Save' | The system displays an error message 'Please enter at least one threshold' |

# TCT: US1.005– Delete a threshold

## TEST: TA-001

### **DESCRIPTION**: Cancellation of an existing threshold

### **PRECONDITION**: At least one threshold exists in the database. The main flow of use case TCT: US1.003 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on 'delete' for the given threshold | The system asks to confirm the operation |
| 2 | Click the 'confirm' button | The system deletes the threshold |
| 3 | No input (system action) | The system displays the message 'Threshold successfully removed' |
| 4 | No input (system action) | The system returns to the previous screen |

## TEST: TA-002

### **DESCRIPTION**: Cancellation of the deletion of a threshold

### **PRECONDITION**: At least one threshold exists in the database. The main flow of the use case TCT: US1.003 has been executed.

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor clicks on 'cancel' at step 3 of the main flow. | The system does not delete the threshold and returns to the previous screen. |

# TCT: US2.001 – Measurements taken

## TEST: TA-001

### **DESCRIPTION**: Displaying updated measurements

### **PRECONDITION**: At least one measurement exists in the database

### **ACTORS**: Relative,GP

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor accesses the 'Measurements' area | The system displays a page where it is possible to see the measurement related to the latest update for each parameter |
| 2 | The actor navigates the interface | The system allows navigation and correctly shows the updated information |

# TCT: US2.002 – Display measurement graphs

## TEST: TA-001

### **DESCRIPTION**: Displaying of measurement charts

### **PRECONDITION**: At least one measurement exists in the database

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor accesses the 'Measurements' section. | The system displays an interface where it is possible to see the measurements for each parameter related to the latest update. |
| 2 | The actor uses the graph visualization feature for one of the recorded parameters. | The system opens a popup with the available graphs for the selected parameter. |
| 3 | The actor navigates the interface. | The system allows navigation between the weekly, monthly, and/or quarterly graphs of the selected parameter. |

# TCT: US2.003 – View Alert

## TEST: TA-001

### **DESCRIPTION**: Displaying all received alerts

### **PRECONDITION**: An alert has been generated for an abnormal measurement

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor uses the alert display functionality available in the system interface. | The system displays the list of all registered alerts. |
| 2 | The actor navigates the list. | The actor can view and scroll through all the alerts in the list. |

## TEST: TA-002

### **DESCRIPTION**: Selection of a specific alert from the list to view the associated detection

### **PRECONDITION**: An alert has been generated for an anomalous measurement

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor selects a specific alert from the list. | The system displays the detection screen, highlighting the detection to which the alert refers. |

## TEST: TA-003

### **DESCRIPTION**: Deactivation of an alert in the list to indicate its resolution

### **PRECONDITION**: An alert has been generated for an abnormal measurement

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor uses the alert display functionality present in the system interface. | The system displays the list of all registered alerts. |
| 2 | At step 3 of the main flow, the actor deactivates an alert in the list to indicate its resolution. | The system marks the alert as resolved and either removes it from the list of active alerts or appropriately flags it |

# TCT: US3.001 – Record the exit of the patient from the security area

## TEST: TA-001

### **DESCRIPTION**: Recording of the patient's exit from the safety area

### **PRECONDITION**: The patient is wearing the device, and the association between the smartwatch and the patient has been successfully completed to allow the exchange of information with the platform and the display of information in the medical record.

### **ACTORS**: Device

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The device detects the patient's position. | The device calculates the difference between the current position and the 'location' identified at the time of pairing with the smartwatch; if it exceeds a configurable distance, it records the patient's departure. |
| 2 | Sending information to the system. | The system records the patient's exit and allows visualization in the patient's medical record. The system sends a notification to inform that the patient has left the safety perimeter and to detect their position in real-time. |

# TCT: US3.002 – Patient’s steps count

## TEST: TA-001

### **DESCRIPTION**: Patient step count

### **PRECONDITION**: The patient is wearing the device, and the association between the smartwatch and the patient has been correctly established to allow the exchange of information with the platform and the display of information in the medical record.

### **ACTORS**: Device

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The patient walks wearing the device. | The device records the number of steps taken by the patient. |
| 2 | After X minutes have passed. | The information is sent to the platform, which records it and allows it to be viewed in the patient's medical record. |