# Use Case US2.001– Access the 'Threshold List' section

## TC.001 – Threshold List

|  |  |  |
| --- | --- | --- |
| Precondition | The user has logged into the system and has the role of "GP" (General Practitioner) or "Relative". At least one threshold is registered in the database. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the "Thresholds" link | The system displays a page to select the vital parameter of interest. |
| 2 | Choose a parameter from the list of values. |  |
| 3 | Press the "Search" button | The system displays the list of thresholds related to the chosen parameter. |

# Use Case US1.002 – Insert threshold

## TC.002 – Insert threshold.

|  |  |  |
| --- | --- | --- |
| Precondition | The user has logged into the system and has the role of "GP" or "Relative". | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the "Thresholds" link | The system displays a page to select the vital parameter of interest. |
| 2 | Choose a parameter from the list of values and press the "New Threshold" button | The system displays an entry page where it is possible to fill in the threshold fields. |
| 4 | Fill in the mandatory threshold fields and press the "Save" button | The system saves the new threshold and returns to the threshold list. |

## TC.003 – Verify Mandatory Fields

|  |  |  |
| --- | --- | --- |
| Precondition | The user has logged into the system and has the role of “GP” or “Relative”. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the “Thresholds” link | The system displays a page to select the vital parameter of interest. |
| 2 | Choose a parameter from the list of values and press the “New Threshold” button | The system displays an input page where it is possible to fill in the threshold fields. |
| 4 | Do not fill in the “Minimum Threshold” or “Maximum Threshold” field and press “Save”. | The system displays the error message “Please enter at least one threshold value”. |

# Use Case US1.003– Display threshold details

## TC.004 – Threshold Details

|  |  |  |
| --- | --- | --- |
| Precondition | The test case TC.001 has been executed | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the link corresponding to a threshold present in the list | The System performs the search and displays the details of the selected threshold. |

# Use Case US1.004 – Update threshold

## TC.005 – Modify Threshold

|  |  |  |
| --- | --- | --- |
| Precondition | The main scenario of test case TC.004 has been executed. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Press the “Edit” button | The System displays the editable fields of the threshold. |
| 2 | Fill in all mandatory fields and press “Save” | The System saves the modified threshold values and displays the updated list of thresholds. |

## TC.006 – Cancel Threshold Modification

|  |  |  |
| --- | --- | --- |
| Precondition | The main scenario of test case TC.004 has been executed | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Press the "Edit" button | The System displays the editable fields of the threshold |
| 2 | Press the "Cancel" button | The System displays the threshold values again. |

## TC.007 – Mandatory Fields Verification

|  |  |  |
| --- | --- | --- |
| Precondition | The main scenario of test case TC.004 has been executed | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Press the “Edit” button | The system displays the editable threshold fields |
| 2 | Do not fill in the “Minimum Threshold” or “Maximum Threshold” field and press the “Save” button | The system displays the error message: “Please enter at least one threshold value”. |

# Use Case US1.005– Delete a threshold

## TC.008 – Deletion of a Threshold

|  |  |  |
| --- | --- | --- |
| Precondition | The test case TC.004 has been successfully executed. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Press the “Delete” button | The System displays a dialog window to confirm the operation. |
| 2 | Press the “Confirm” button | The System deletes the threshold from the database and displays the message: “Threshold successfully deleted.” |
| 3 | Press OK on the message | The System displays the updated list of thresholds. |

## TC.009 – Undo Deletion of a Threshold

|  |  |  |
| --- | --- | --- |
| Precondition | The test case TC.004 has been successfully executed. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Press the "Delete" button | The system displays a dialog window to confirm the deletion. |
| 2 | Press the "Cancel" button | The system displays the updated list of thresholds.. |

# Use Case US2.001 – Measurements taken

## TC.010 – Measurement Display

|  |  |  |
| --- | --- | --- |
| Precondition | The user has logged into the system and has the role of "GP" or "Relative". At least one measurement exists in the database. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the "Measurements" link | The system performs the search and displays the latest measurements for vital parameters. |

# Use Case US2.002 – Display measurement graphs

## TC.011 – Display measurement graphs

|  |  |  |
| --- | --- | --- |
| Precondition | TC.010 | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the "Measurement Graph" link for a vital parameter | The system performs the search and displays the graph showing the trend of the measurements and the histogram of the measurements recorded for the days of the last week. registrate per i giorni dell’ultima settimana. |

# Use Case US2.003 – View Alert

## TC.012 – Display Alert for Anomalous Measurements

|  |  |  |
| --- | --- | --- |
| Precondition | The user has logged into the system and has the role of "GP" or "Relative". There is at least one alert in the database related to an anomalous measurement. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the "Alerts" link | The system performs the search and displays the list of alerts. |
| 2 | Click on the link of a specific page in the navigation bar. | The system displays the chosen page. |

## TC.013 – Detail of an Anomalous Measurement

|  |  |  |
| --- | --- | --- |
| Precondition | The user has logged into the system and has the role of "GP" or "Relative". There is at least one alert in the database related to an anomalous measurement.. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the "Alerts" link | The system performs the search and displays the list of alerts. |
| 2 | Select an alert from the list | The system performs the search and displays a popup with the details of the anomalous measurement. |

## TC.014 – Closing Alert

|  |  |  |
| --- | --- | --- |
| Precondition | The user has logged into the system and has the role of "GP" or "Relative". There is at least one alert in the database related to an abnormal measurement. | |
| Actors | GP, Relative | |
| Step | Input | Result |
| 1 | Click the "Alerts" link | The system performs the search and displays the list of alerts related to abnormal measurements. |
| 2 | Press the "Resolve" button corresponding to a specific alert in the list. | The system marks the alert as "Resolved" and displays a message indicating that the operation was successful. |

# Use Case US3.001 – Record the exit of the patient from the security area

## TC.015 – Geofencing Area Exit

|  |  |  |
| --- | --- | --- |
| Precondition | The smartwatch is correctly paired with the patient, and the GPS "home location" and the maximum distance of 20 meters have been configured. | |
| Actors | Device | |
| Step | Input | Result |
| 1 | Move 20 meters away from the home. | The smartwatch notifies the system, which logs the event in the patient's medical record and sends a notification to the medical staff indicating that the patient has moved away from their home. |
| 2 | The medical staff receives the notification on their smartphone. | N/A |

# Use Case US3.002 – Patient’s steps count

## TC.016 – Step Count Recording

|  |  |  |
| --- | --- | --- |
| Precondition | The smartwatch is correctly paired with the patient, and the frequency of sending the patient's physical activity data to the central system is set to 10 minutes. | |
| Actors | Device | |
| Step | Input | Result |
| 1 | Take at least 20 steps.. | The smartwatch records the steps taken. |
| 2 | Wait 10 minutes. | The smartwatch sends the data to the central system, which records it in the patient's medical record. |