**Use Case 3: User changes a setting**

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| **Use Case 3** | Device user changes a setting |
| **Actor** | Patient/Doctor |
| **Use Case Overview** | The patient/doctor navigates to the “Settings” menu to alter some characteristic of the device |
| **Trigger** | The patient/doctor desires to alter a setting on the device |
| **Precondition** | The device is turned on |
| **Assumption** | The display is currently showing the main menu |

Common Flow

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| **Description** | Device user navigates to the “Settings Menu” |
| **1** | User presses the “Down Arrow” button a certain number of times |
| **2** | Each time the button is pressed, the display updates the currently selected option |
| **3** | Once the current selection of the display is the “Settings” option, the user presses the “OK” button |
| **4** | The display updates to show the “Settings Menu” |

**Case 3.1: User changes a sound setting**

Basic Case

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| --- | --- |
| **Description** | Device user changes the state of the general sound setting |
| **1** | User presses the “OK” button to select the “Sound” option |
| **2** | The display updates to show the “Sound Menu” |
| **3** | User presses the “OK” button to select the “General” option |
| **4** | The display is updated to show the level adjustment screen |
| **5** | The user presses the left and/or right buttons |
| **6** | For every press, the speaker’s “General” volume is adjusted up (right) or down (left). |
| **7** | The speaker beeps for each button press. |
| **8** | The display updates the number on screen and the progress bar according to the “General” sound value |
| **9** | The user finds an acceptable sound level and presses “OK” |
| **10** | The display updates to show the “Sound Setting Menu” |

Alternate flow 1A: Button Sound

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| **Description** | Device user changes the state of the button sound setting |
| **3A** | User presses the “OK” button to select the “Button” option |

Alternate flow 1B: Contact Sound

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| --- | --- |
| **Description** | Device user changes the state of the contact sound setting |
| **3A** | User presses the “OK” button to select the “Contact” option |

Alternate flow 9A: Back button

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| --- | --- |
| **Description** | Device user presses “Back” instead of “OK” |
| **9A** | User presses the “Back” button |

Alternate flow X: User changes the brightness instead of sound

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| --- | --- |
| **Description** | Device user changes the state of the brightness setting |
| **1X** | User navigates to the “Brightness” option |
| **6X** | For every press, the display’s “Brightness” variable is adjusted up (right) or down (left). |

**Case 3.2: User toggles the economy setting**

Basic Case

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| --- | --- |
| **Description** | Device user turns economy mode on |
| **1** | User navigates to the “Economy” option and presses “OK” |
| **2** | The display is updated to show the “Economy Menu” |
| **3** | The user presses “OK” to select “On” |
| **4** | The Central System’s member “Economy mode” is set to true |

Alternate flow A: Toggle off

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| --- | --- |
| **Description** | Device user turns economy mode off |
| **3A** | The user navigates to the “Off” option and presses “OK” to select it |
| **4A** | The Central System’s member “Economy mode” is set to false |

**Case 3.3: User alters child mode**

Basic Case

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| --- | --- |
| **Description** | Device user picks an age range to enable child mode for |
| **1** | User navigates to the “Child Mode” option and presses “OK” button |
| **2** | The display is updated to show the “Child Mode Menu” |
| **3** | The user navigates to the desired age range and presses “OK” |
| **4** | The central system’s child mode member is updated to the corresponding age range |

Alternate flow A: Toggle off

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| --- | --- |
| **Description** | Device user turns child mode off |
| **3A** | The user navigates to the “Off” option and presses “OK” to select it |
| **4A** | The Central System’s member “Child mode” value is set to null |

**Case 3.4: User changes the time**

Basic Case

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| --- | --- |
| **Description** | Device user changes the current time on the device |
| **1** | User navigates to the “Clock” option and presses the “OK” button |
| **2** | The display is updated to show the current time |
| **3** | The user presses the “OK” button |
| **4** | The display updates to show the hour value is now flashing |
| **5** | The user adjusts the hour using the right (increase the value) and left (decrease the value) buttons |
| **6** | The display updates the number on screen |
| **7** | The user finds an acceptable hour value and presses “OK” |
| **8** | The clock’s hour value is updated |
| **8** | The display updates to show the minute value is now flashing |
| **9** | The user adjusts the minute value using the right (increase the value) and left (decrease the value) buttons |
| **10** | The display updates the number on screen |
| **11** | The user finds an acceptable minute value and presses “OK” |
| **12** | The clock’s minute value is updated |

**Case 3.5: User sets the alarm clock**

Basic Case

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| --- | --- |
| **Description** | Device user changes the time the alarm is set for |
| **1** | User navigates to the “Alarm clock” option and presses the “OK” button |
| **2** | The display is updated to show the “Alarm Clock Menu” |
| **3** | The user navigates to the “Time” option and presses “OK” |
| **4** | The user changes the time the alarm is set for as in case 3.5 steps 3-12 |

Alternate flow A: Toggle off

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| --- | --- |
| **Description** | Device user turns the alarm clock off |
| **3A** | The user navigates to the “Off” option and presses “OK” to select it |
| **4A** | The Clock’s member “frequency” is set to null |

Alternate flow B: Change frequency

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| --- | --- |
| **Description** | Device user changes the frequency off the alarm clock |
| **3B** | The user navigates to the “Frequency” option and presses the “OK” button |
| **4B** | The display updates to show the “Alarm frequency menu” |
| **5B** | The user navigates to the desired frequency (ie. daily, every other day, ,weekly, monthly) and presses “OK” |
| **6B** | The Clock’s member “frequency” is set to the choice of the user |