**PART 1: Use Case Model**

**USE CASES**

**Use Case 1: Basic Denas-PCM Use**

**Primary Actor: Denas-PCM User**

**Scope: DENAS-PCM System**

**Level: User Goal**

**Precondition: DENAS-PCM is charged and functioning properly.**

**Main Success Story:**

1. User presses power button.
2. Device gets turned on and a display is shown on the screen.
3. User selects the “Programs” option shown on the display.
4. Display now shows multiple pre-programmed health issues.
5. User selects the desired program.
6. Display then shows where on the body to apply the electrode for therapy.
7. User adjusts power level according to their need.
8. User then places the electrode on their body to start the therapy.
9. Display shows the time for therapy.

**Postcondition: User receives DENS therapy.**

**Use Case 2: Frequency**

**Primary Actor: Denas-PCM User**

**Scope: Denas-PCM System**

**Level: User Goal**

**Precondition: User wants to choose an individual treatment program rather than one of the inbuilt therapies.**

**Main Success Story:**

1. Under the main menu, user selects the “Frequency” option.
2. User then selects the required frequency.
3. User adjusts power level according to their need.
4. User then places the electrode on their body to start the therapy.
5. Timer starts and is displayed on the screen.

**Postcondition: User receives a customized individual therapy.**

**Use Case 3: Recording**

**Primary Actor: Denas-PCM User**

**Scope: Denas-PCM System**

**Level: User Goal**

**Precondition: User wants to record a therapy.**

**Main Success Story:**

1. User selects “Settings” from the main menu.
2. User then selects the “Recording” feature.
3. Finally, user selects the “Enable” button to use the recording feature.
4. Device will now record the most recent therapy and auto-load it upon switching on the device.

**Extension:**

1. If the recording feature is disabled, the device will go to the main menu after switching on.

**Postcondition: User is able to get the most recent therapy that was recorded.**

**Use Case 4: Child Mode**

**Primary Actor: Denas-PCM User**

**Scope: Denas-PCM System**

**Level: User Goal**

**Precondition: Child under the age of 13 needs therapy.**

**Main Success Story:**

1. From the main menu, user selects “Children” option.
2. User then selects the age group of the child.
3. Now select the desired inbuilt program/frequency and adjust the power level.
4. Electrode is then applied on the stimulation zone of the child’s body for therapy to start.

**Extension:**

Children above the age of 12 or adults.

1. Disable the child mode by selecting the “Disable” option under the “Children” section.

**Postcondition: Child receives the desired treatment.**

**USE CASE DIAGRAM:**

<<include>>

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Denas-PCM

User