Flowchart for Interrupts

Non Maskable Interrupt raised automatically after every 24 hrs

```
┌─────────────────┐
│  Nmi_24hrtimer  │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│ clears LCD display │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│ Takes Keypad Input │
└─────────────────┘
         │
         ▼
      ◇ Check if key is 'M' ◇  ── No
         │
        Yes
         │
         ▼
┌─────────────────────┐
│ Jumps to Master Mode in │
│   the Main Program      │
└─────────────────────┘
```
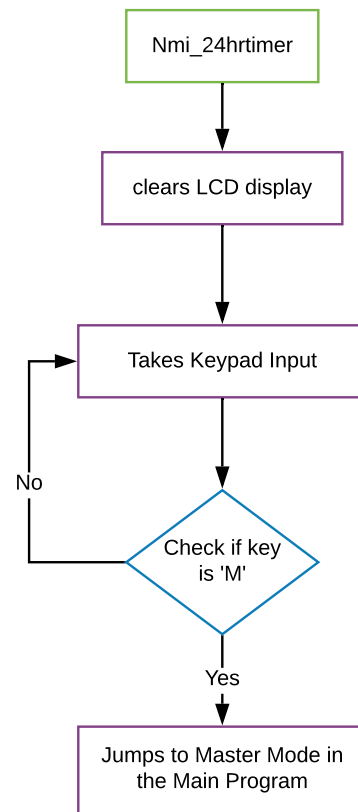
Interrupt Raised on pressing the exit Button:

```
┌──────────────────────┐
│ Main program Jumps to │
│    Switch_intR        │
└──────────────────────┘
           │
           ▼
┌──────────────────┐
│ Door Opens for   │
│    1 minute      │
└──────────────────┘
           │
           ▼
     ◇ Checks if already in Master Mode ◇
       No ◄────────────► Yes
        │                 │
        ▼                 ▼
┌────────────────┐  ┌──────────────────┐
│ JUMPS to start of │  │ JUMPS back to    │
│ the main program  │  │ MainProgram to   │
└────────────────┘  │ execute the      │
                    │ Master Mode      │
                    └──────────────────┘
```