**Patient User Stories:**

1. **Elderly Patient with Dementia or Memory Loss:**

As an elderly patient with memory loss, I want the machine to remind me when to take my medication, so I don’t forget my dose.

1. **Blind or Visually Impaired Patient:**

As a blind patient, I want the machine to use voice prompts to tell me which medication to take, so I can take it on time without needing to see.

1. **Partially Deaf or Deaf Patient:**

As a deaf or partially deaf patient, I want the machine to use a flashing light to let me know when it is time to take my medication, so I can be alerted without hearing any sounds.

1. **Patient with Multiple Medications:**

As a patient who takes multiple medications, I want each medication to have a different coloured light, so I can easily know which pill I need to take.

1. **Simple Instructions for Elderly:**

As an elderly patient, I want the machine to give me simple and clear instructions, so I don’t get confused while using it.

1. **Patient with Both Hearing and Vision Impairments:**

As a patient with both hearing and vision impairments, I want the machine to use both voice prompts and flashing lights, so I can understand when and which medication to take.

1. **Avoiding Overdose:**

As a patient, I want the machine to make sure that only one dose is dispensed at a time, so I do not accidentally overdose.

**Caregiver User Stories:**

1. **Detect if Medicine Has Been Taken**:

As a caregiver, I want the machine to use a weight sensor to check if the patient has taken their medication, so I can be sure it was taken.

1. **Notification if Medicine is Taken or Missed**:

As a caregiver, I want to be notified if the patient takes or misses their medication, so I can monitor and help if needed.

1. **Avoiding Overdose**:

As a caregiver, I want the machine to ensure that the correct dosage is dispensed, so I can be confident the patient does not overdose.

1. **Notification if Multiple Doses Are Missed**:

As a caregiver, I want to receive a notification if the patient misses multiple doses in a row, so I can check on them and provide help.