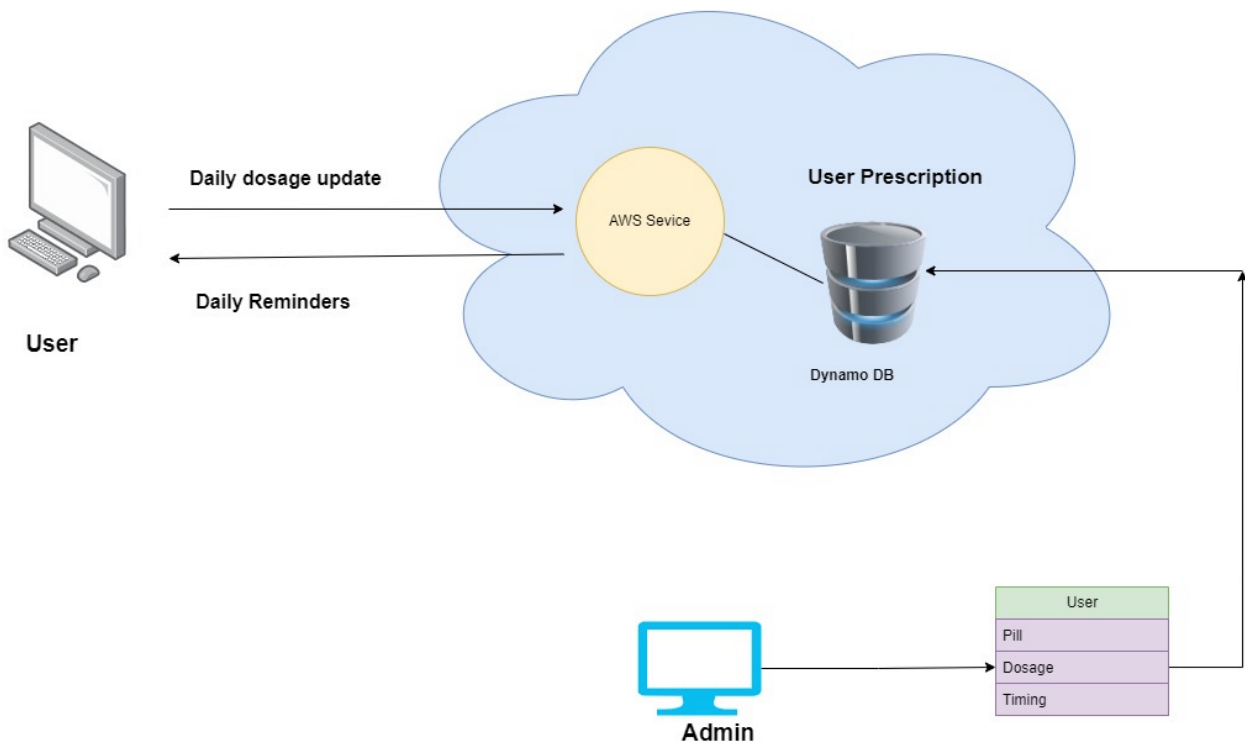


# smart\_pill\_dispenser

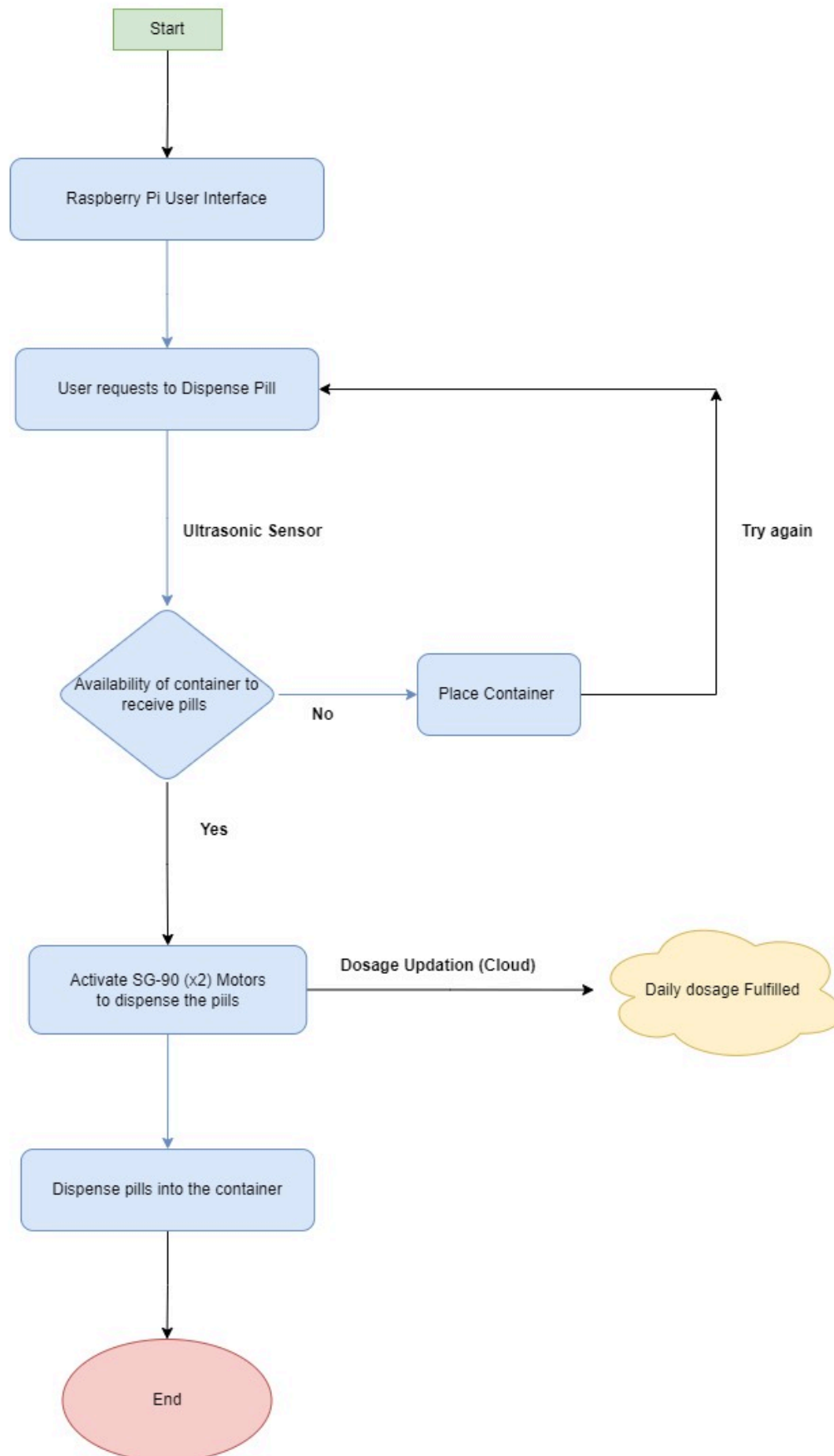
The purpose of this project is to design and develop a mobile smart pill box to help individuals with autism, the elderly, and people with disabilities keep track of their medicine and manage their health. This innovative solution will solve the problem of missed or incorrect doses of medicine, which can have serious consequences for these populations. The design will be compact, user-friendly and easy to operate, making it accessible to people of all ages and abilities. The smart pill box will be equipped with advanced features such as RFID tracker, path detection, and object detection. The smart pill box will be an essential tool for ensuring the health and well-being of individuals with autism, the elderly, and people with disabilities. By reducing the risk of missed or incorrect doses of medicine, this project will make a significant impact on the quality of life for these populations.

## Cloud Architecture

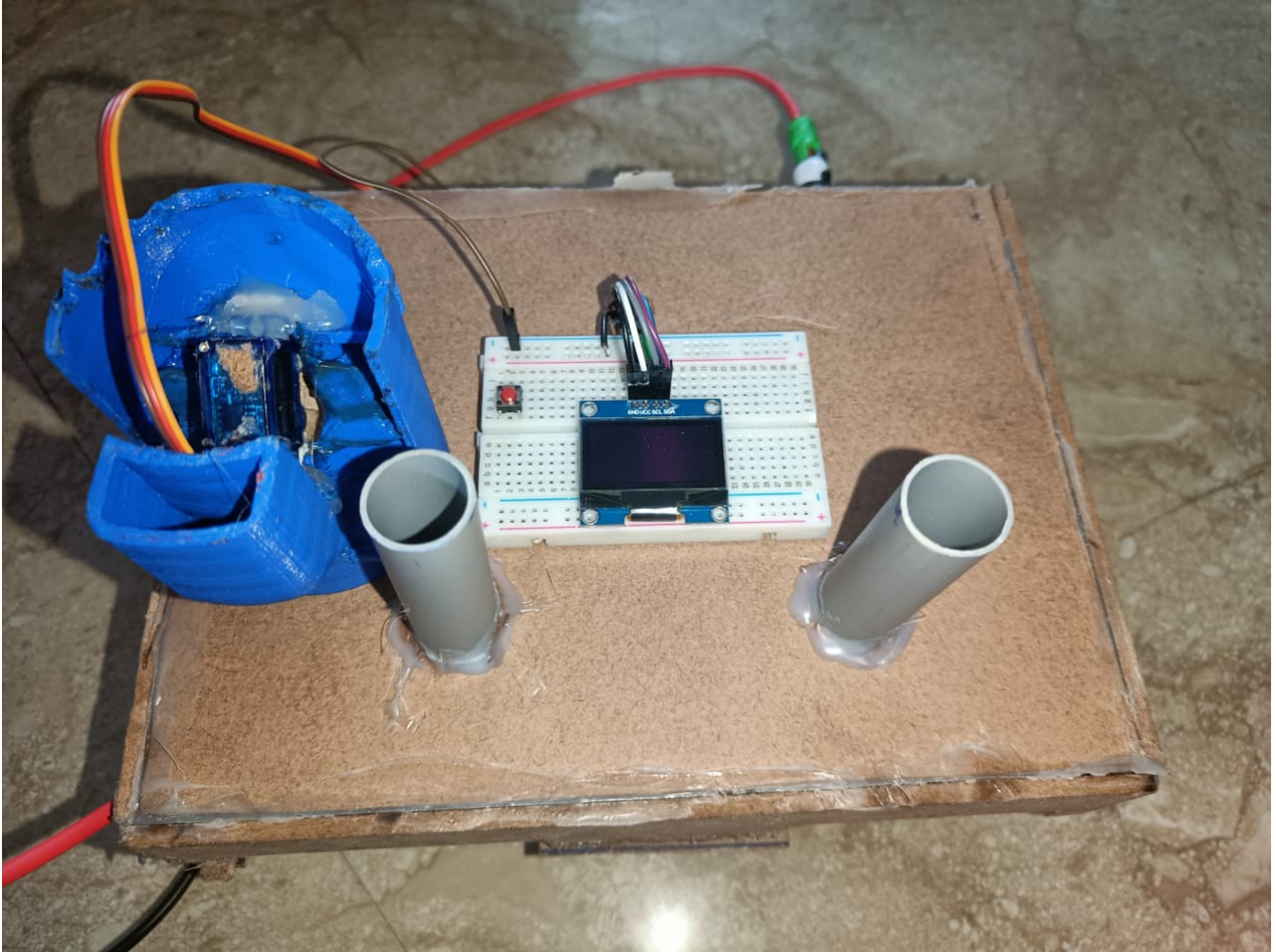
Smart Pill-Dispenser (Cloud - 3 tier Architecture)

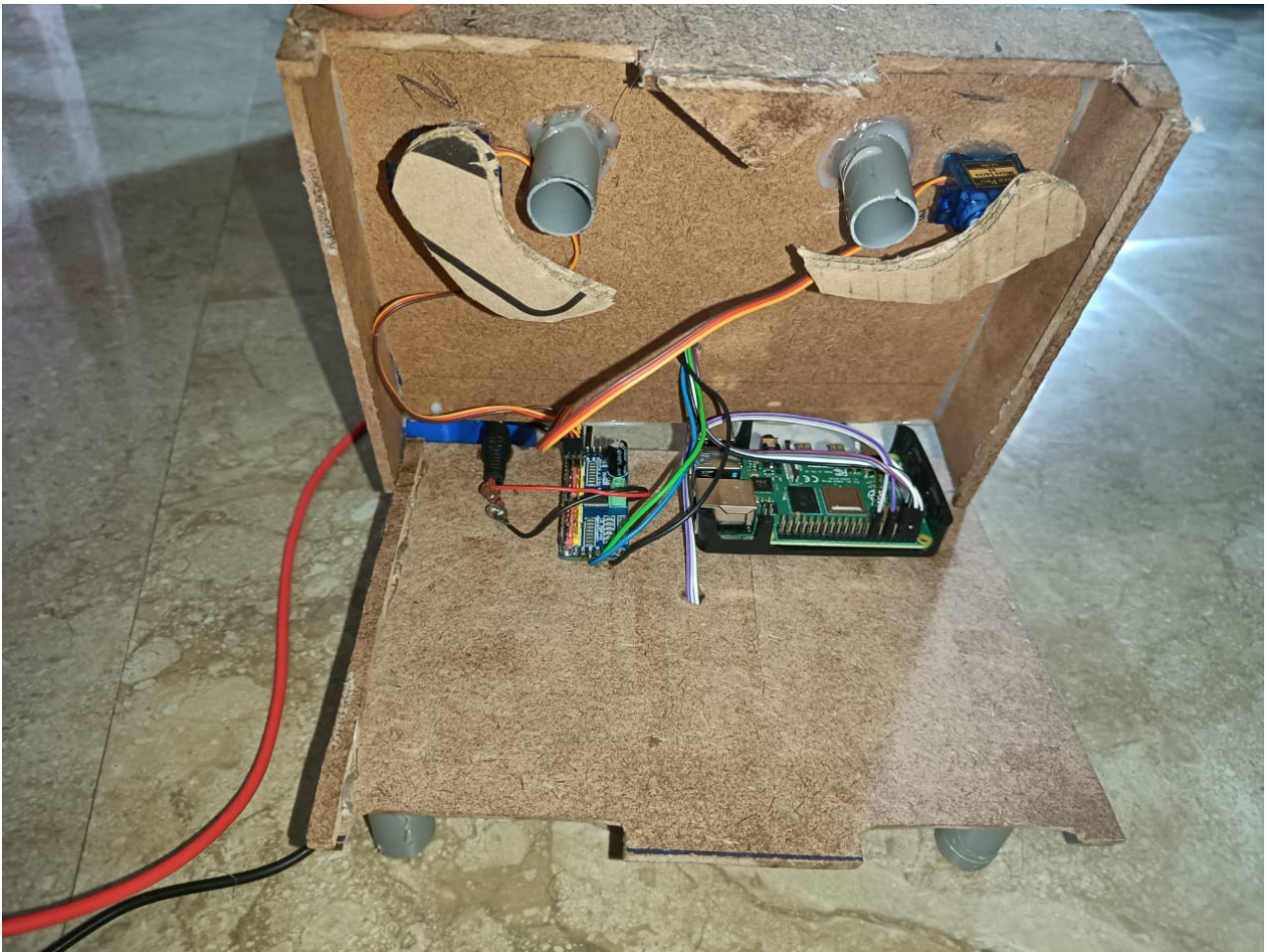


## Smart Pill-Dispenser Flowchart



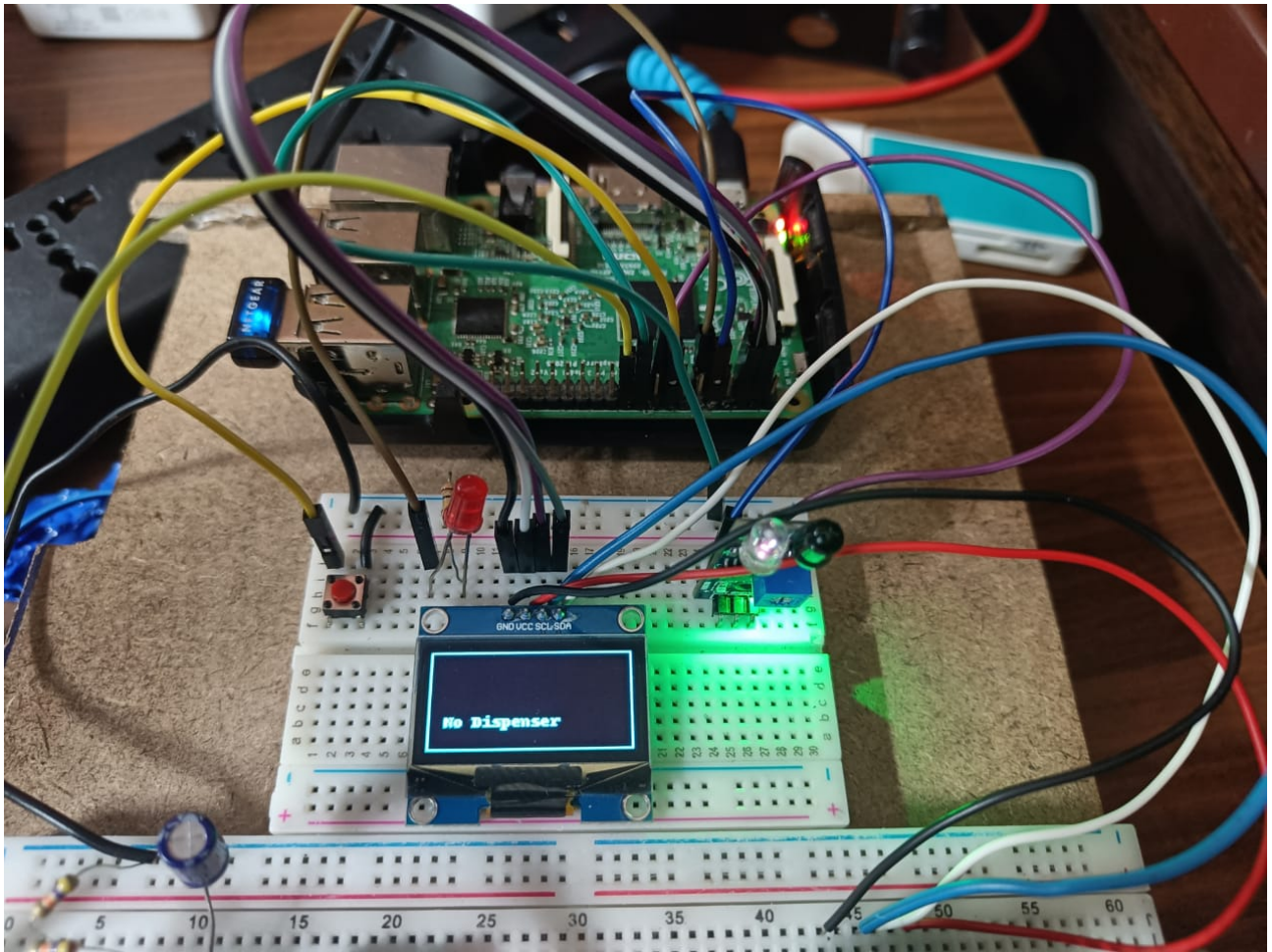
## Model






**Internal Circuit**





Mobile App (Login page)  
(Google FireBase Authentication)



**Login**

Email

Password

LOGIN

# Mobile App internal Structure

12:09

0.32 KB/s 4G+ 27%

Smart Pill Dispenser

Pill Configuration

Enter Name

Select Pill

Dosage (1- 4)

1

Enter Time

SAVE

CLEAR

## Gmail Notification



**AWS Notifications** <no-reply@sns.amazonaws.com>

to me ▾

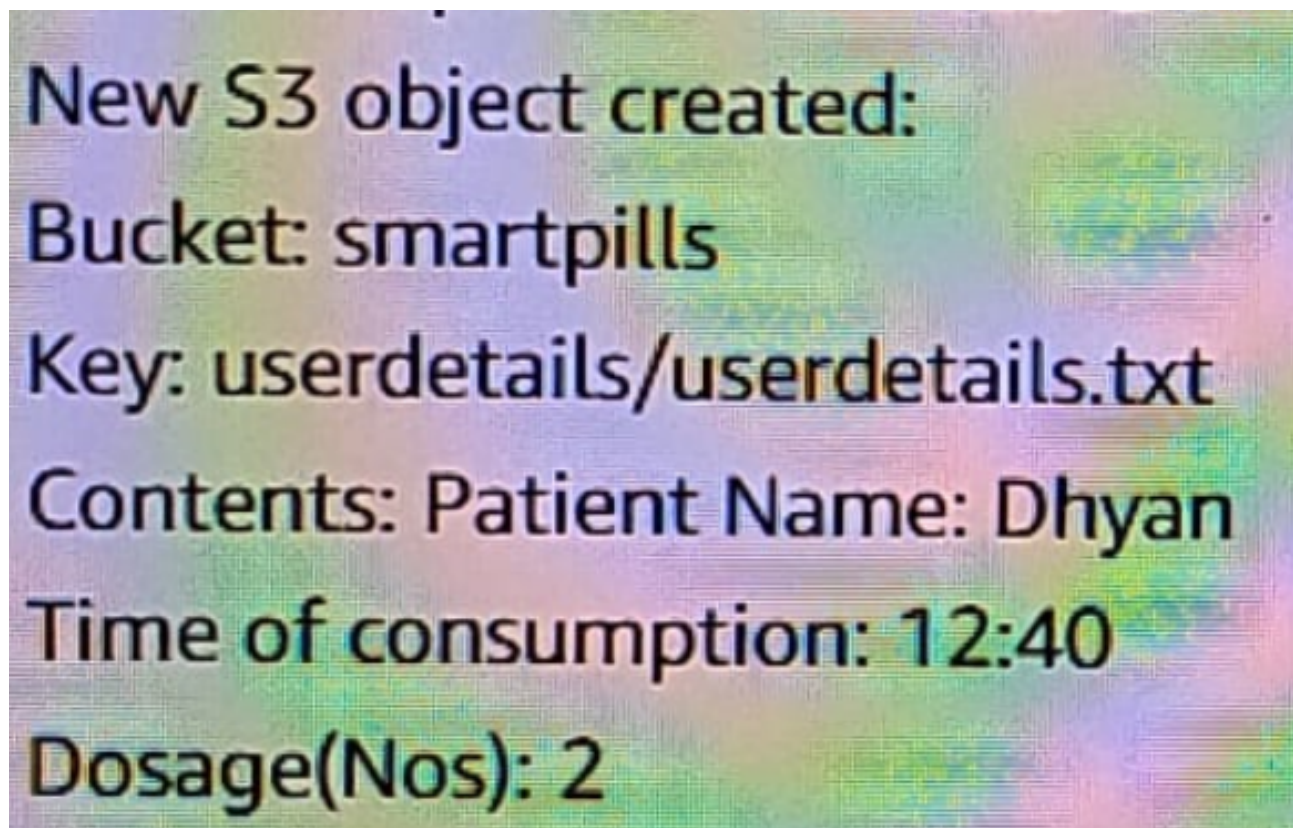
Name: Dhyan

Time: 19:06,13:45,

Pill Name: Mirena

Dosage: 4

## S3 bucket Created in AWS



In conclusion, the Smart Pill Box is a cutting-edge solution for managing health and ensuring that patients with autism, the elderly, and people with disabilities never miss a dose of their medication. Its advanced features, including automatic medication reminders, real-time monitoring of pill intake, and path detection technology, make it a comprehensive and easy-to-use solution for managing health. The Smart Pill Box is a crucial tool for improving the quality of life for these populations and ensuring that they receive the care and support they need to stay healthy and active. We are confident that this project will have a positive impact on the lives of countless individuals and make a meaningful contribution to the field of health management.



