

# DIGITAL PHOTO FRAME

ROBOTICS CLUB  
SUMMER PROJECT 2016

PROJECT MENTOR : HEMANT KUMAR

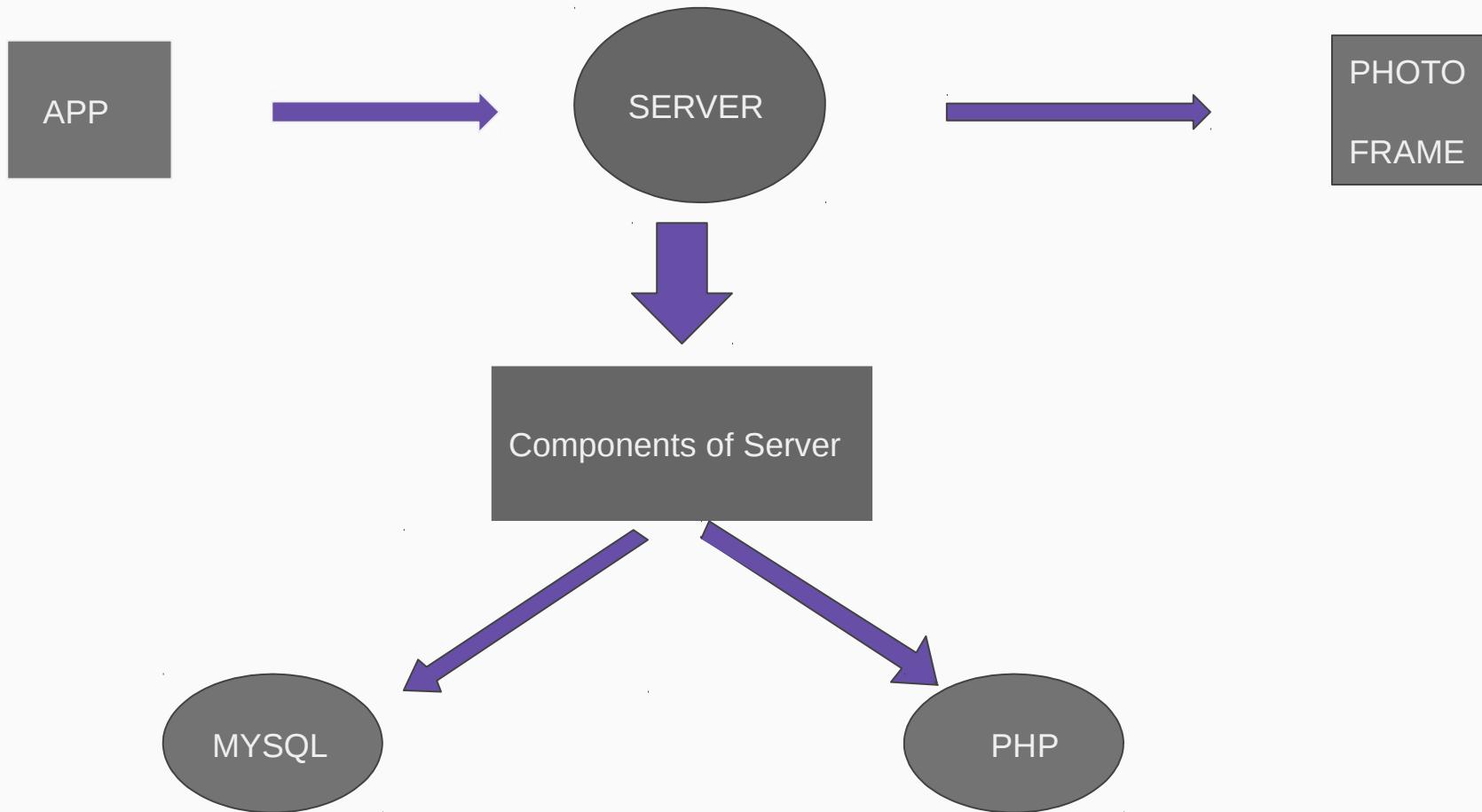
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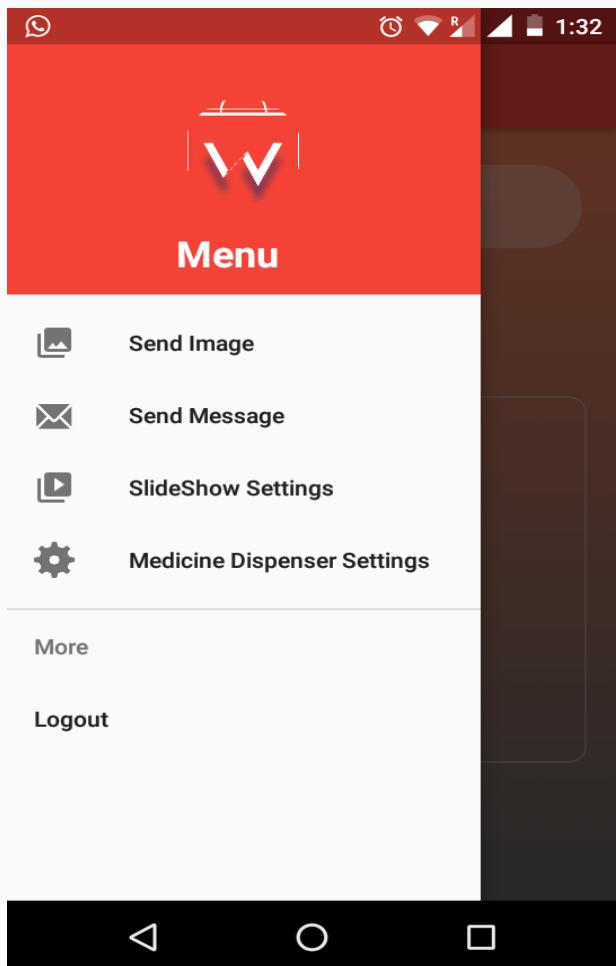
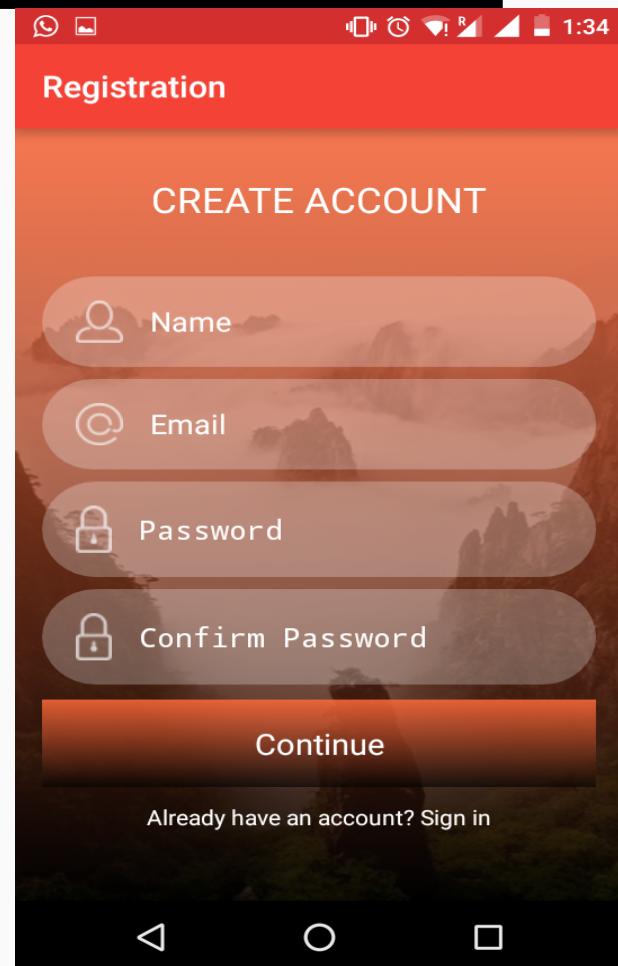
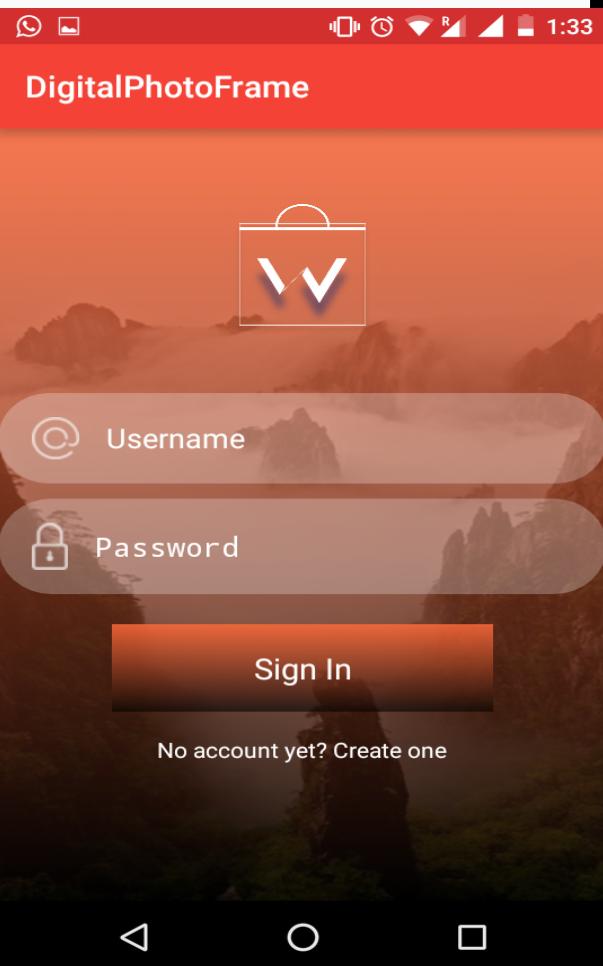
# OBJECTIVES

- A digital photo frame which has a user end app and a photo frame end web app.
- To send and display photos on the digital photo frame using the same apps.
- To send reminders on to the digital photo frame.
- Build a automatic medicine dispenser that is attached to the photo frame.
- To control a medicine dispenser using the same app using time shown in digital photo frame.

## BASIC FRAMEWORK OF DPF



# USER END APP



# DATA FLOW IN APP

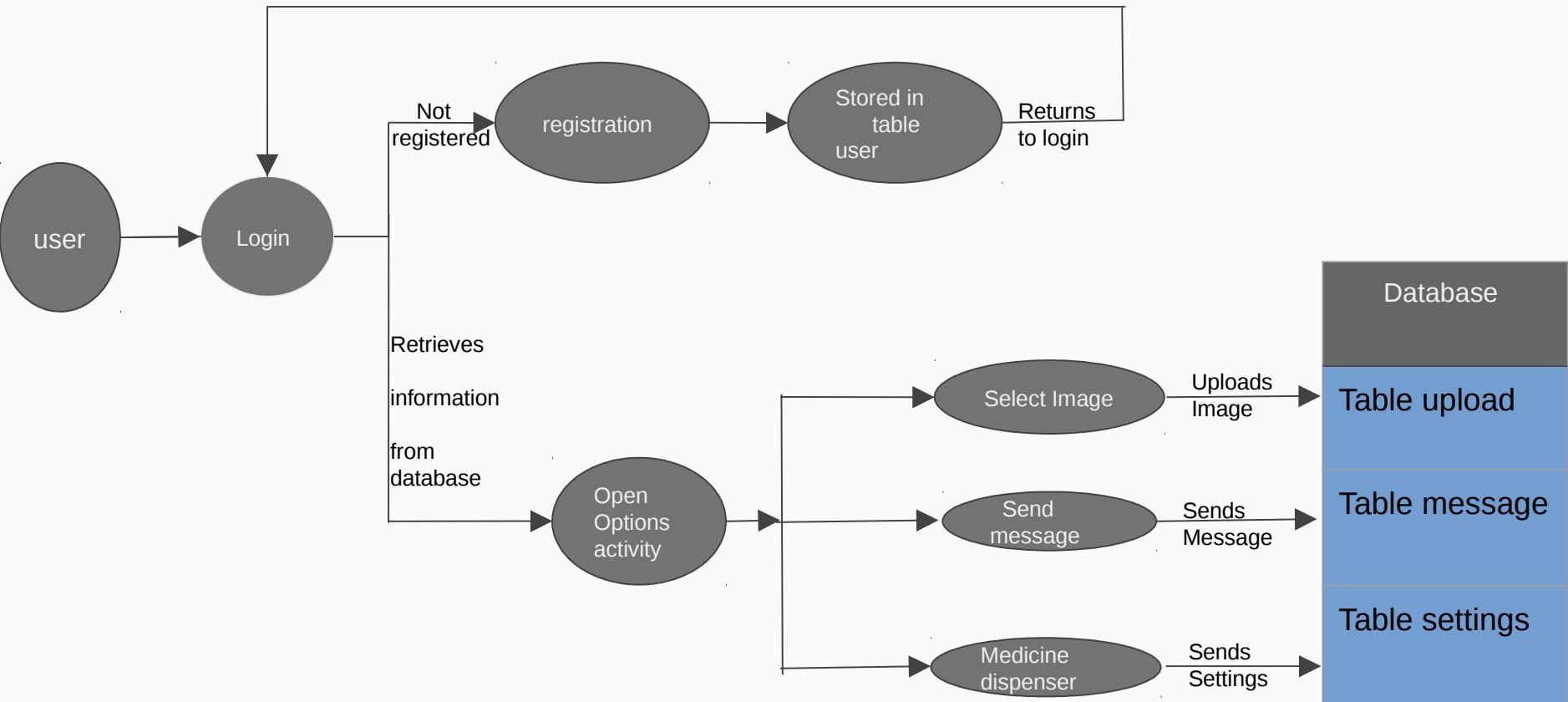




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MedicineDispenser		6	InnoDB	latin1_swedish_ci	16 KiB	-
photo_frame		16	InnoDB	latin1_swedish_ci	16 KiB	-
profile		27	InnoDB	latin1_swedish_ci	32 KiB	-
Reminder		68	InnoDB	latin1_swedish_ci	16 KiB	-
slidesetting		20	InnoDB	latin1_swedish_ci	16 KiB	-
user		25	InnoDB	latin1_swedish_ci	32 KiB	-
7 tables	Sum	274	InnoDB	latin1_swedish_ci	144 KiB	0 B

Check all

With selected:

Print view Data dictionary

Create table

Name:  Number of columns: 4

Go

Console



## Reminders

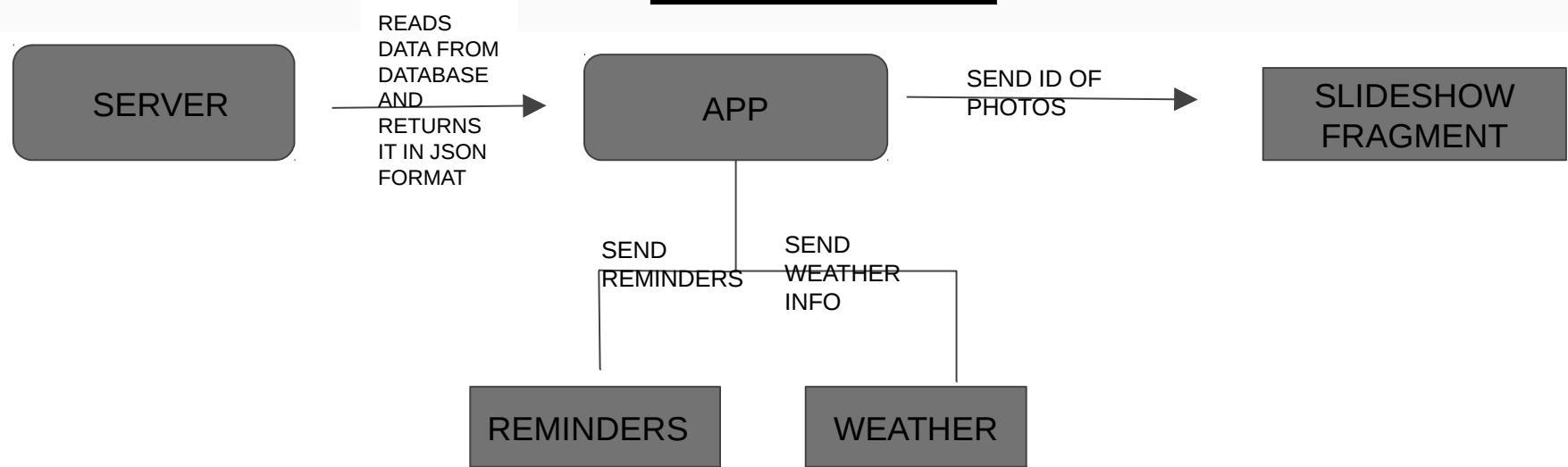
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take medicines on time

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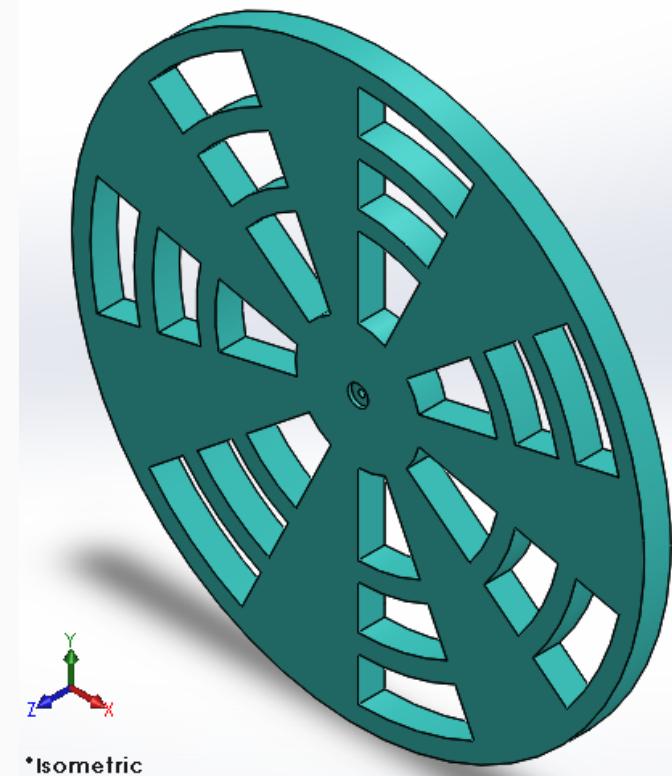
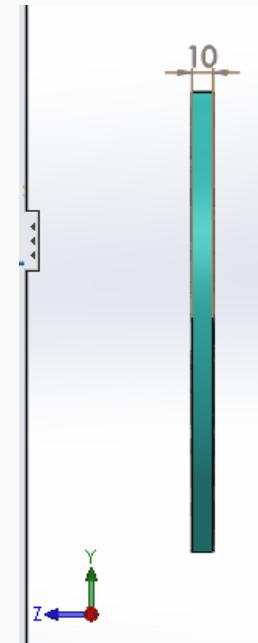
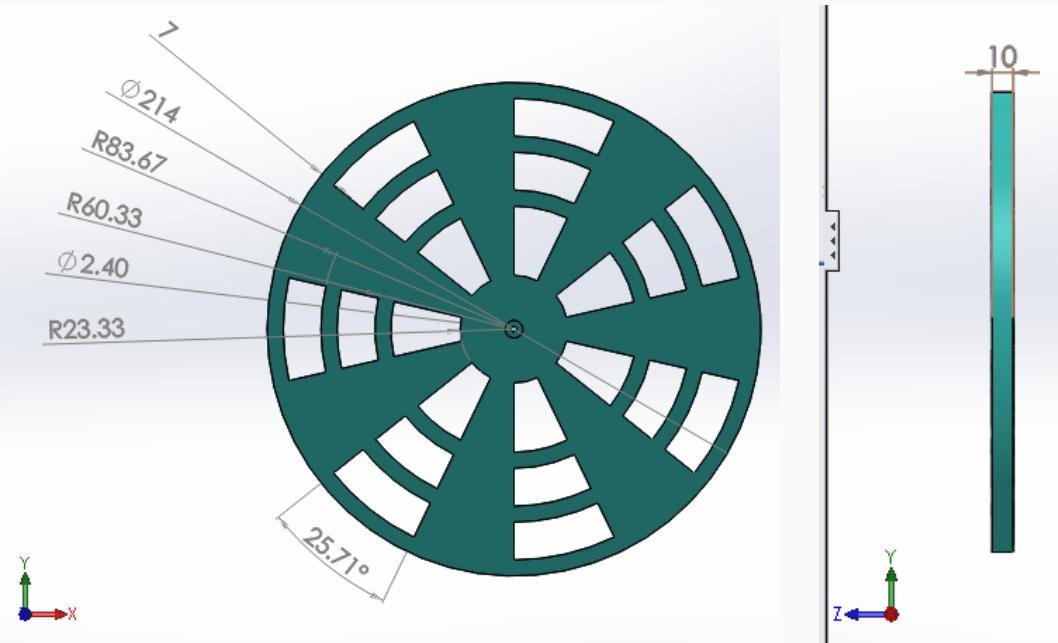
sleep on time

## HOW PHOTO FRAME END APP WORKS

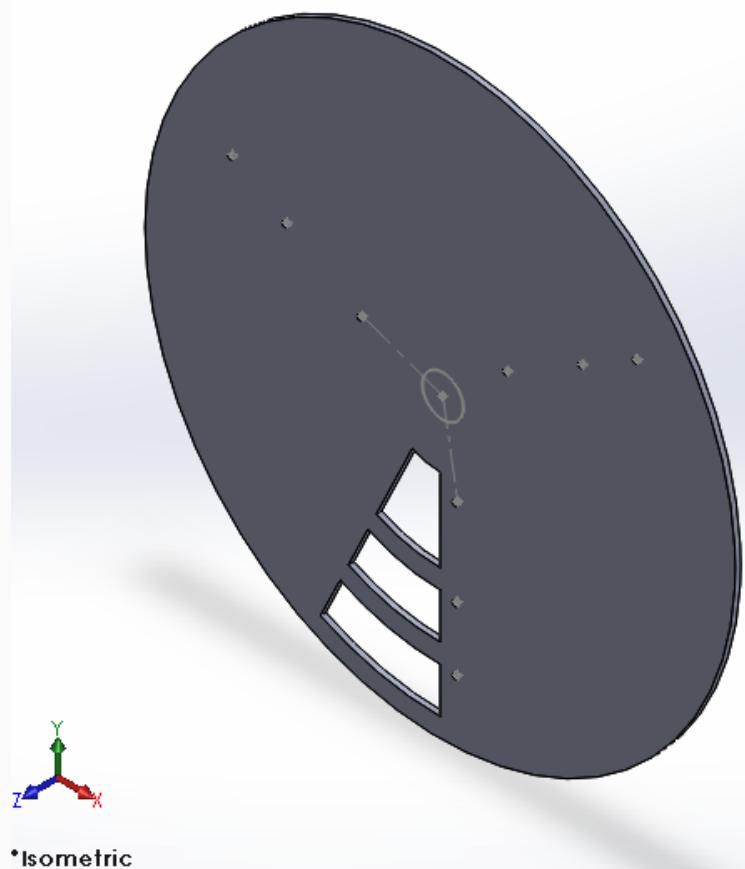
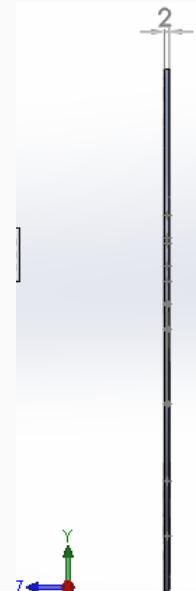
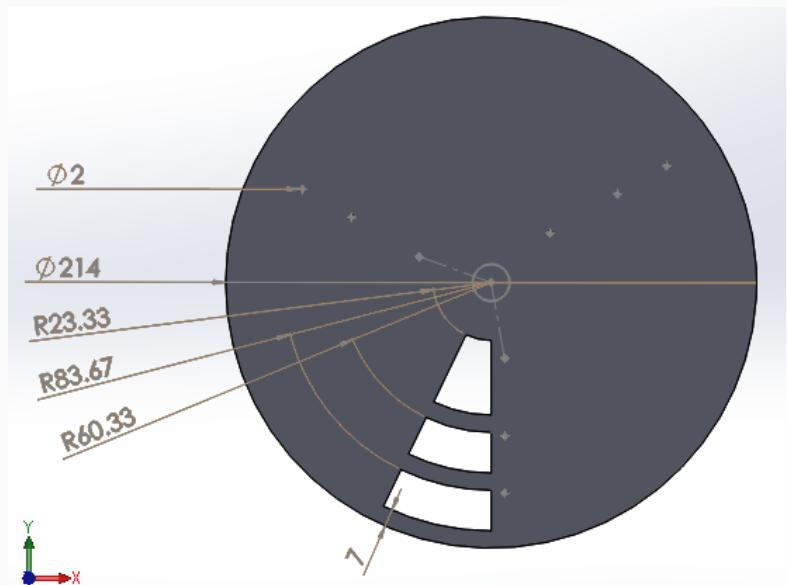


# Automatic Medicine Dispenser

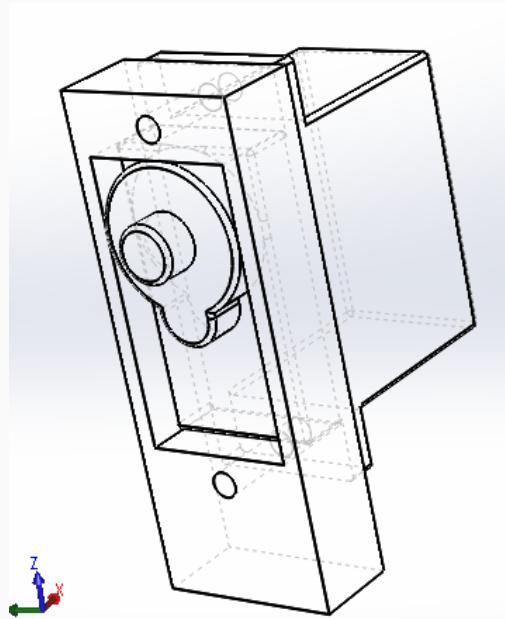
## 1. TOP LAYER



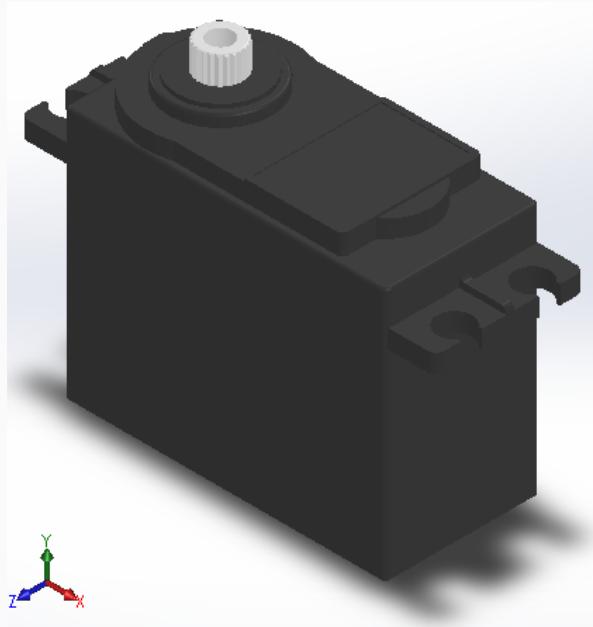
## 2. MIDDLE PLATE



### 3. OTHER COMPONENTS



MICRO-SERVO EMBEDDED  
IN SLAB



HS-422



THIS IS WHAT THE FINAL ASSEMBLY LOOKS LIKE.

[`/home/abhinay/Videos/V\_20160627\_113748.mp4`](#)



# FUTURE PLANS

- To install and use android on embedded processor such as Raspberry Pi,odroid for the photo frame end.
- To remove some server security issues related to the server.
- To connect photo frame to multiple users.

## SOFTWARES USED



THANK YOU!