1.

1. **Waste Management** :

   Purpose: Optimization of routes of waste pickup trucks and giving sanitation workers insight into the actual fill level of various disposal units.

   Sensor Types: Proximity Sensors, GPS, Camera

2. **Smart Home :**

   Purpose: Managing home appliances, theft detection using automation of all its embedded technology. It defines a residence that has appliances, lighting, heating, air conditioning, TVs, computers, entertainment systems, big home appliances such as washers/dryers and refrigerators/freezers, security and camera systems capable of communicating with each other and being controlled remotely by a time schedule, phone, mobile or internet. All sensors are connected to a central hub controlled by the user using wall-mounted terminal or mobile unit connected to internet cloud services.

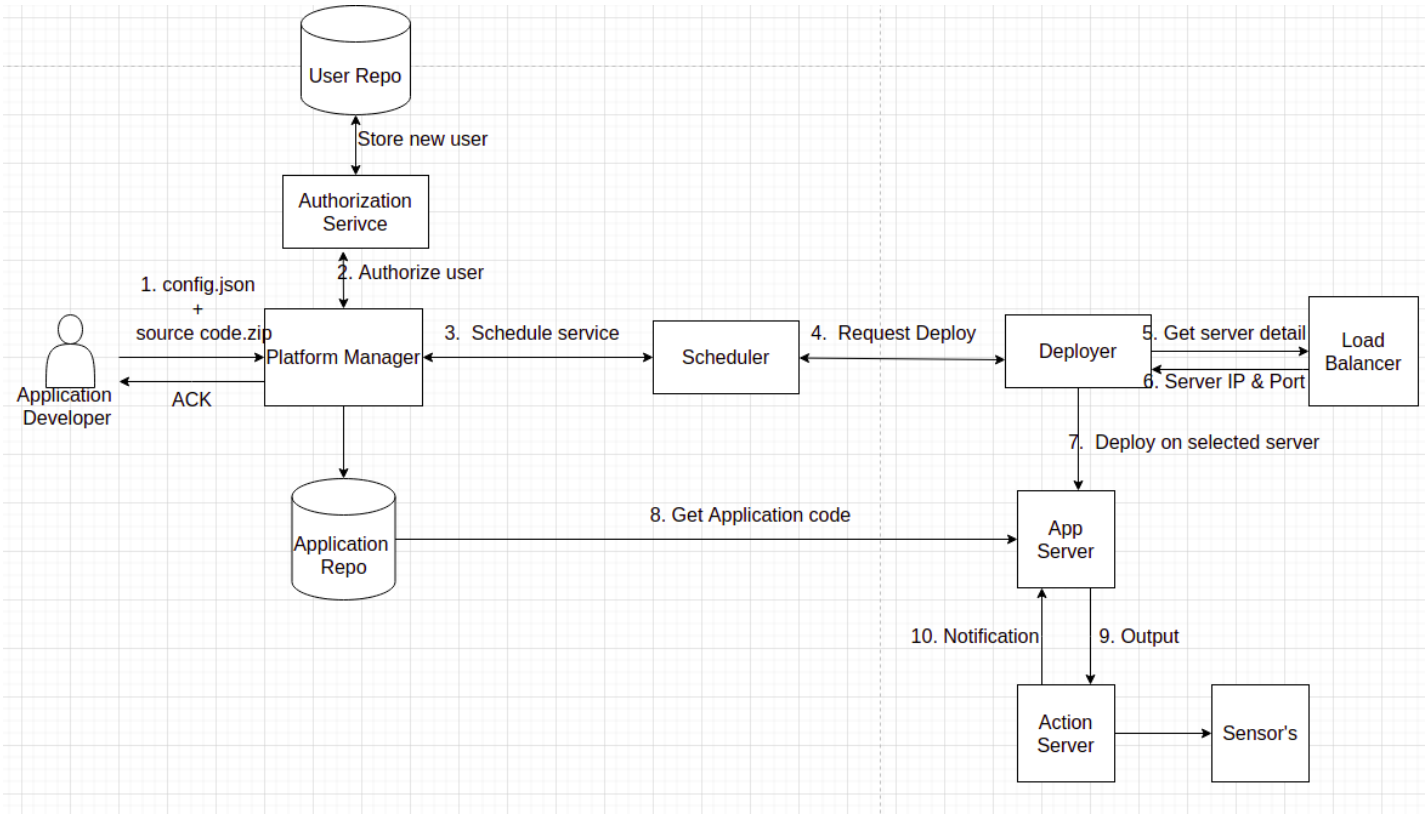
   Sensor Types: Camera, Heat Sensor, Bulb

3. **Smart Hospital :**

   Purpose: Connecting every patient's details like temprature, heart rate, pressure over a cloud distinguishing each room and wards. Thus to optimize the hospital staffs over the patients.

   Sensor Types: Temprature sensor, pulse sensor, camera, pressure sensor.

2.



3. Sensor Manager: Registers the new sensors .

Platform Manager: Primary UI for the application developer.

Deployer: This service choses the appropriate server to deploy the appication developers code.

App Server: This is the server where the applicationi will run and the end use can now interact with the app here via Action server.

Action Server: This module is used to interact and take actions as per the output of the application in the app server.

4.

Application Developer: This user writes code for the IOT Application.

End User: This user uses the Application.

5.

Application developer first registers the sensors to the platform.

Then they write config file for intercation