

**CS6110 - OBJECT ORIENTED ANALYSIS AND
DESIGN**

SEQUENCE DIAGRAM

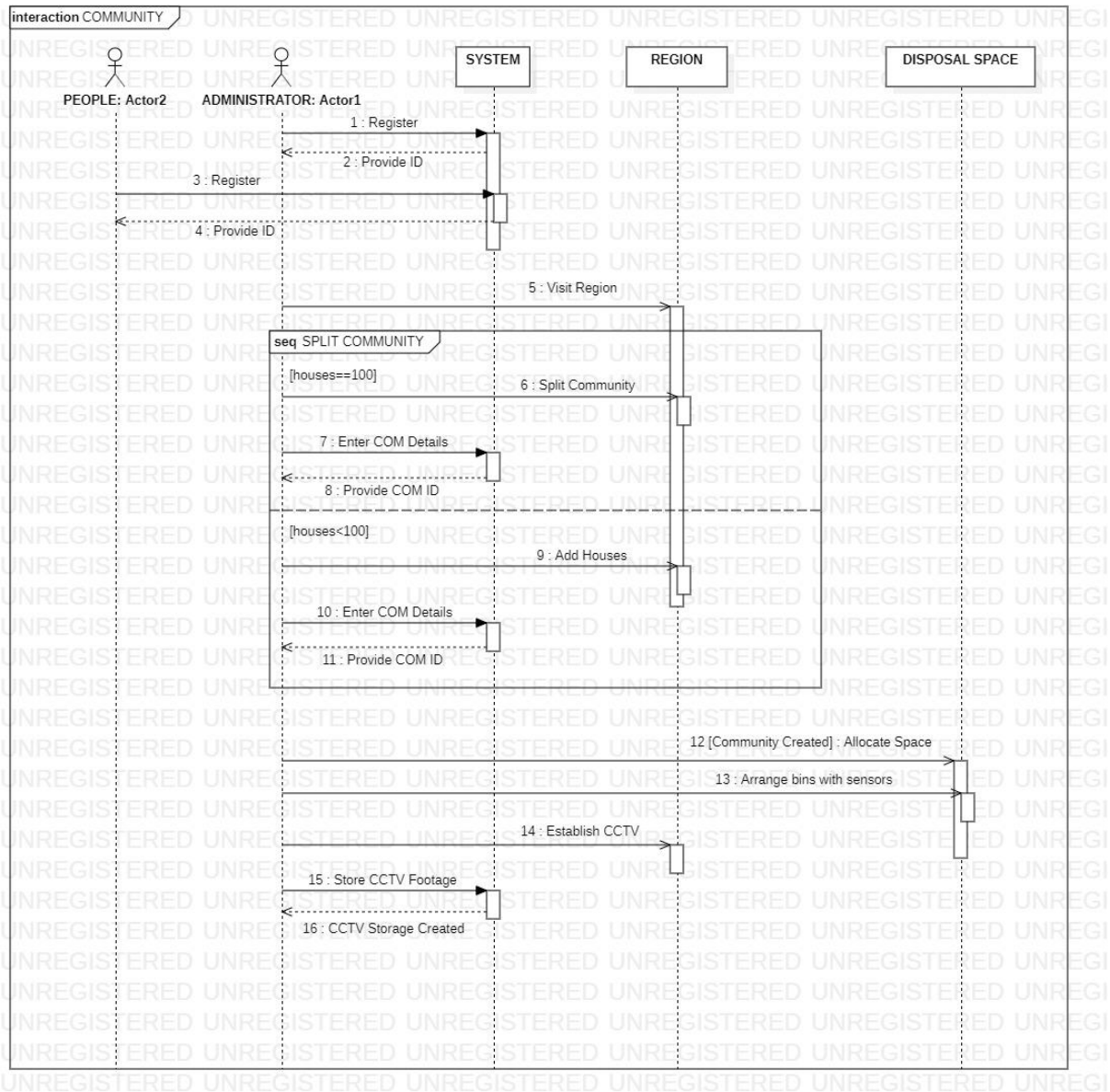
TOPIC : **WASTE DISPOSAL SYSTEM**

BY :

DHIVAKAR RK - 2018103023

EASWARAN S – 2018103532

DIAGRAM 1 : COMMUNITY



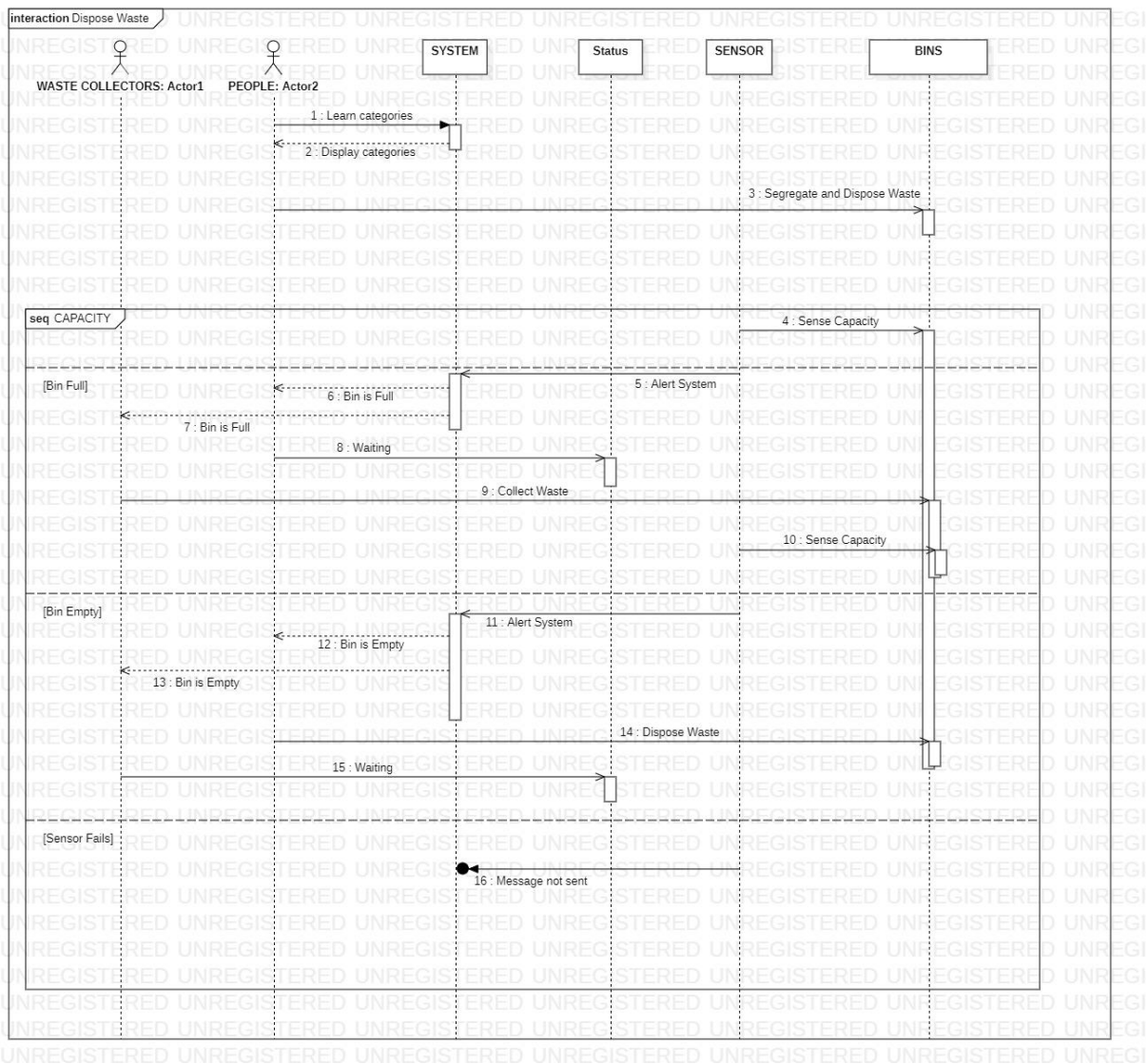
ACTORS INVOLVED :

1. PEOPLE : People register themselves in the system.
2. ADMINISTRATOR : Administrator creates community, allocates disposal space consisting of bins fitted with sensors, establishes CCTV surveillance in the community.

CLASSES INVOLVED :

1. **SYSTEM** : Gets registration request from people and administrator and provides required ID to them.
2. **REGION** : Region consists of houses. Administrator visits the region and checks the condition to split region into community.
3. **DISPOSAL SPACE** : Administrator allocates disposal space once he splits community. He also arranges bins fitted with sensors.

DIAGRAM 2 : DISPOSE WASTE



ACTORS INVOLVED :

1. **PEOPLE** : People learn about the categories of waste, segregate waste and dispose them accordingly.
2. **WASTE COLLECTORS** : Waste collectors register themselves in the system and collect waste.

CLASSES INVOLVED :

1. **SYSTEM** : Sends message once sensors alerts the system about bins in the community.
2. **STATUS** : According to the message sent by the system, the people and waste collectors have to act accordingly.
3. **SENSOR** : It detects the bin capacity and alerts the system.
4. **BINS** : People dispose waste and waste collectors collect waste from bins.