Use case of sign in

Authorized User → inputs → Enter Credentials → Processes → Verify Account

- invalid → Deny Access
- valid → Access System

Use case of sign up

SuperAdmin
- initiates → Create child admin accounts
- executes → Assign ChildAdmin Roles
- Assign Mobile Access Permissions

child Admin
- accesses → login to system
- executes → Create User Accounts
- creates → Delete User Account
- inputs → Update user account

User
- Accesses → Access Bus System

Usecase of Buses management

and routes

Admin — inputs → Create buses

inputs → Create route — records inputs → Driver

inputs → Set territory

Delete route
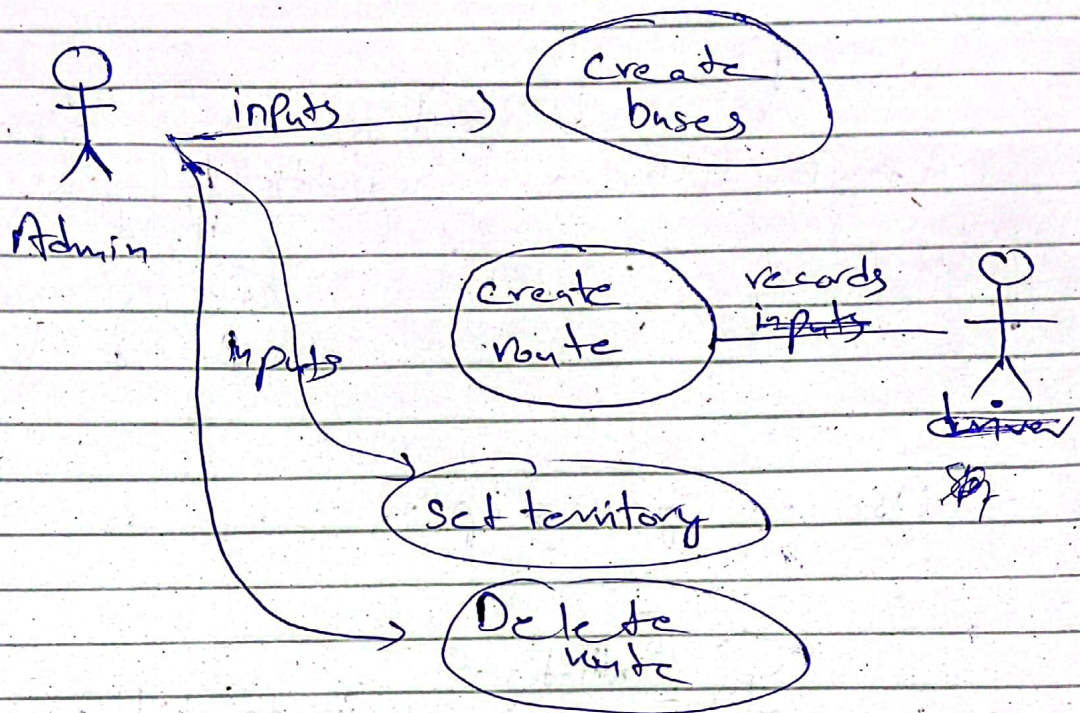
Use case of Journey management

Driver / Staff — initiates → Start a journey

→ end a journey — System

Track live location — executes

accesses → list of boarded students — updates

Student/Admin — accesses → View live location

View old journey

Bus
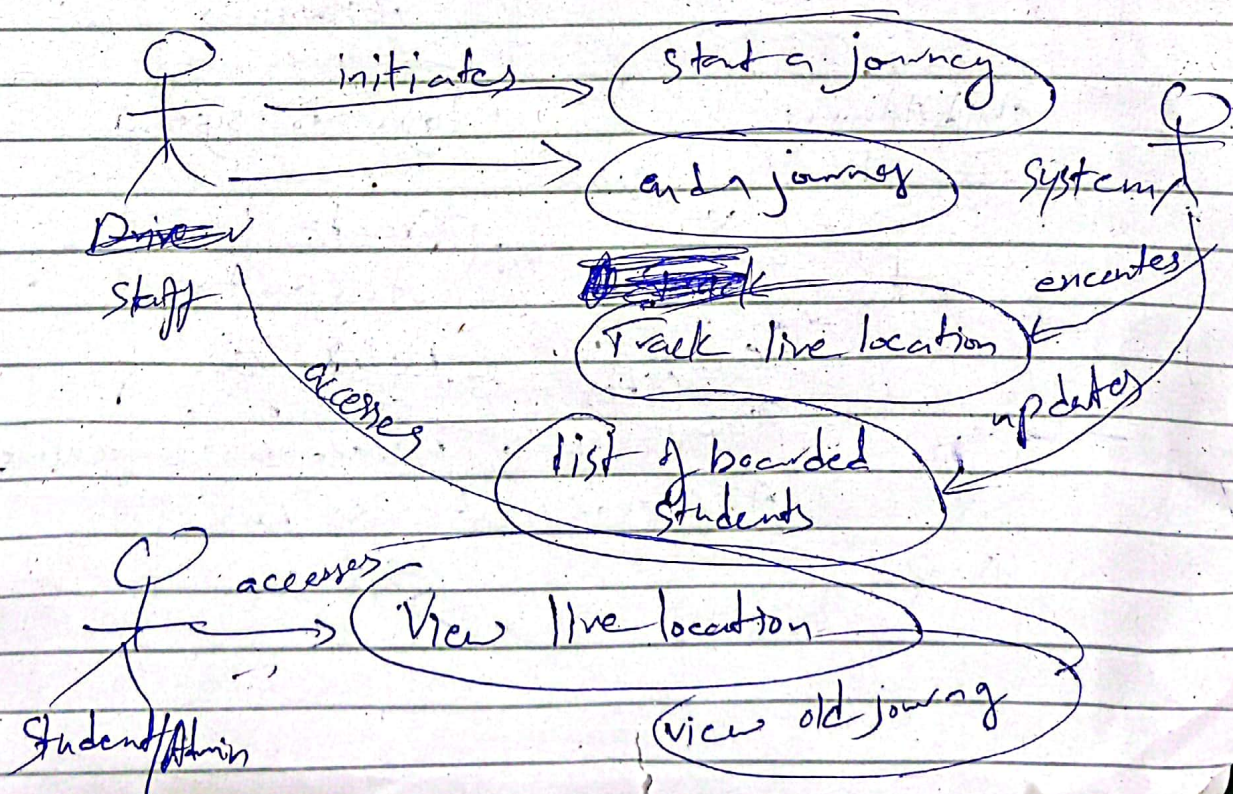
Usecase of card management

Admin ──── inputs ───→ (assign cards to students)

──── executes ───→ (Revoke/ enable card)
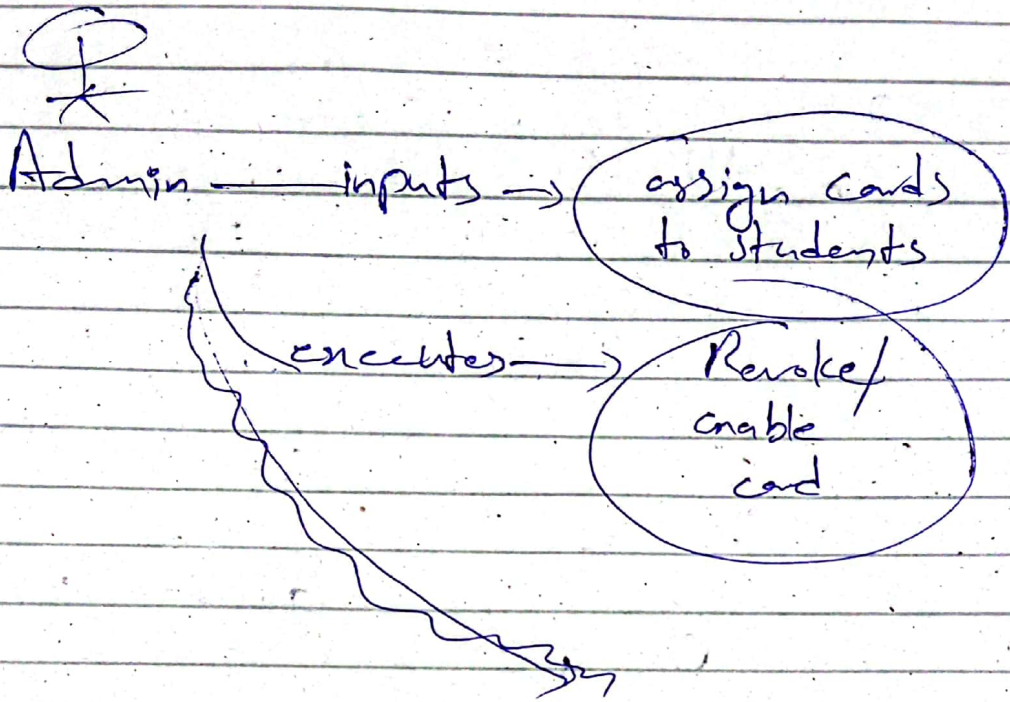
Usecase of Session and Student management

Admin

(expire a session)

inputs ──→ (Create a session)

executes ──→ (delete a student)

inputs ──→ (Add students to session)

│ include

(Generate Student app credentials) ── enable ── System

(Delete a session)

executes

inputs

(Set session expiry duration)
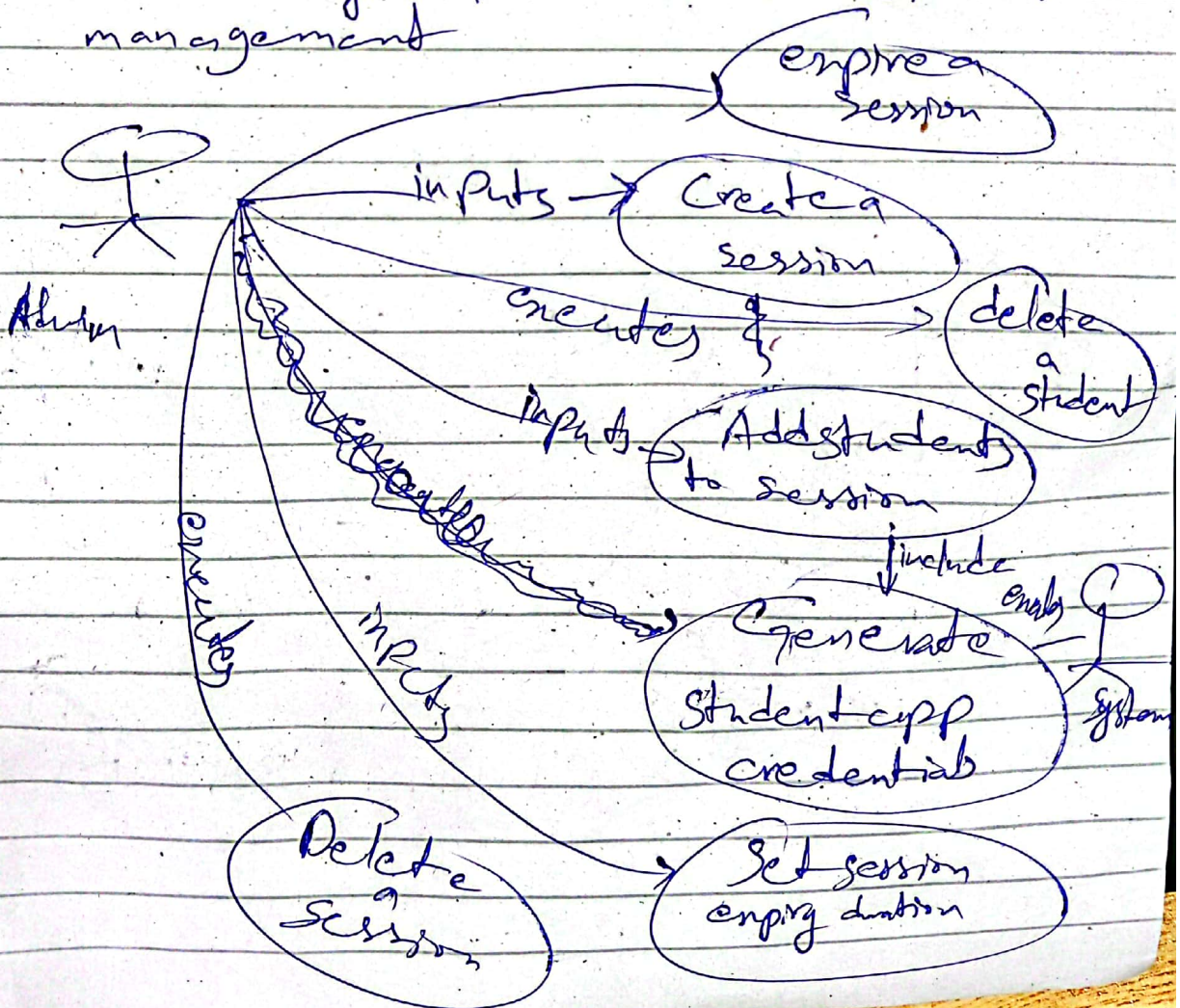
Use case of ~~employee~~/staff management

Admin

inputs → (add ~~Create~~ a driver/conductor)

creates (update/delete staff)

accessing ~~Access~~ staff record

executes (Generate credentials)

include

create ← System
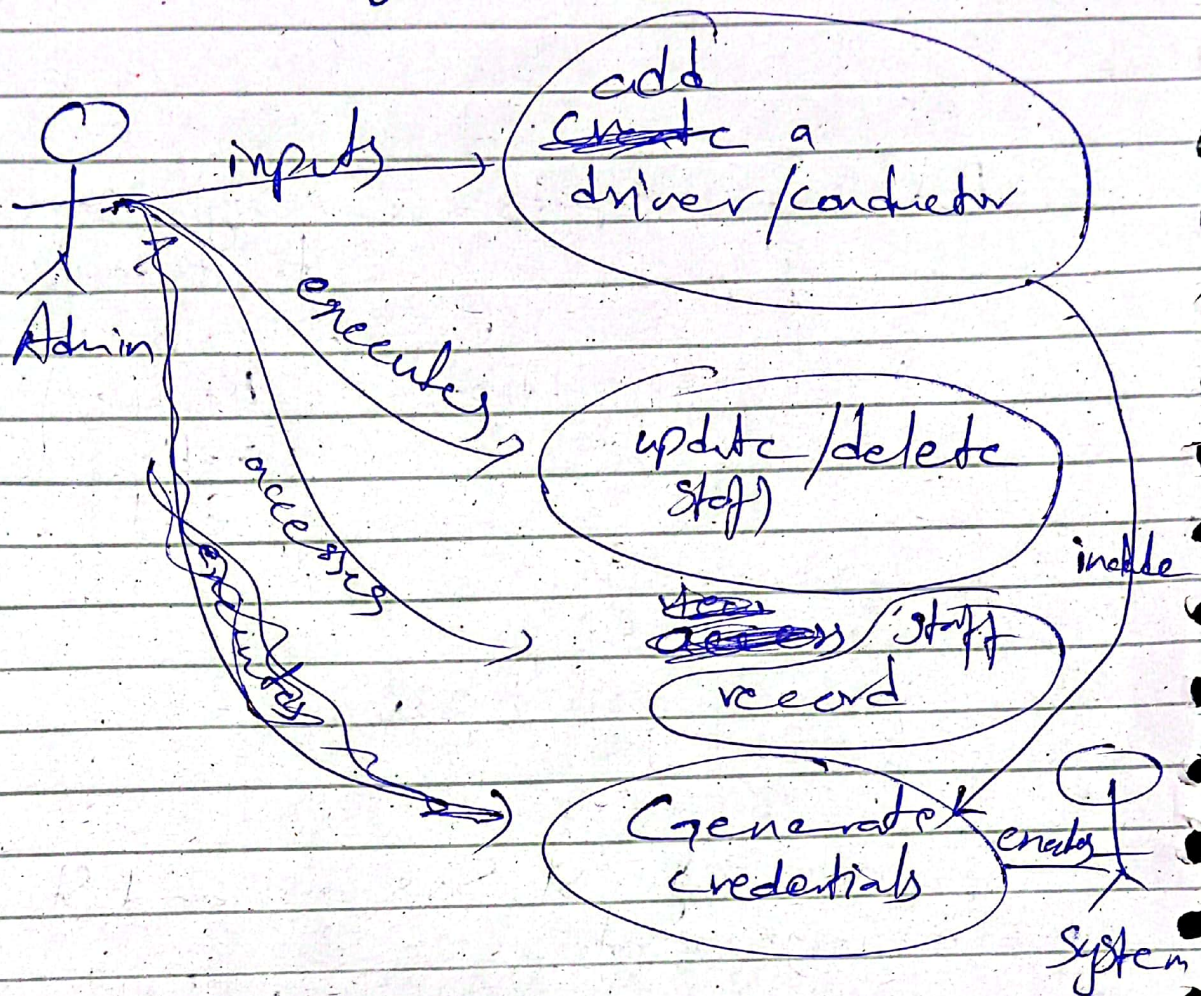
Use case of complaint management

Student

inputs (create Complaint) inputs → Driver

access (Complaints)

Admin resolves (Complaints) ~~resolves~~
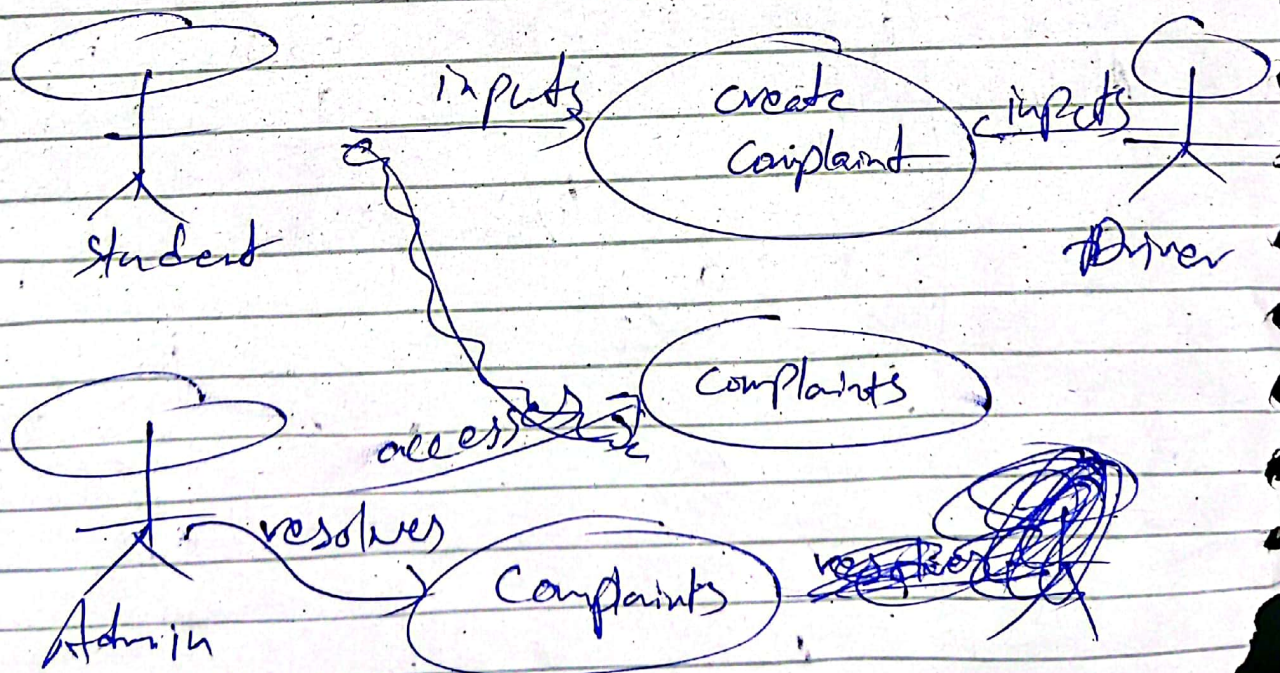
Use case of Reports/Analysis

Admin accesses Crowding Reports
Admin accesses Driver Performance
Admin accesses Session and Student analysis
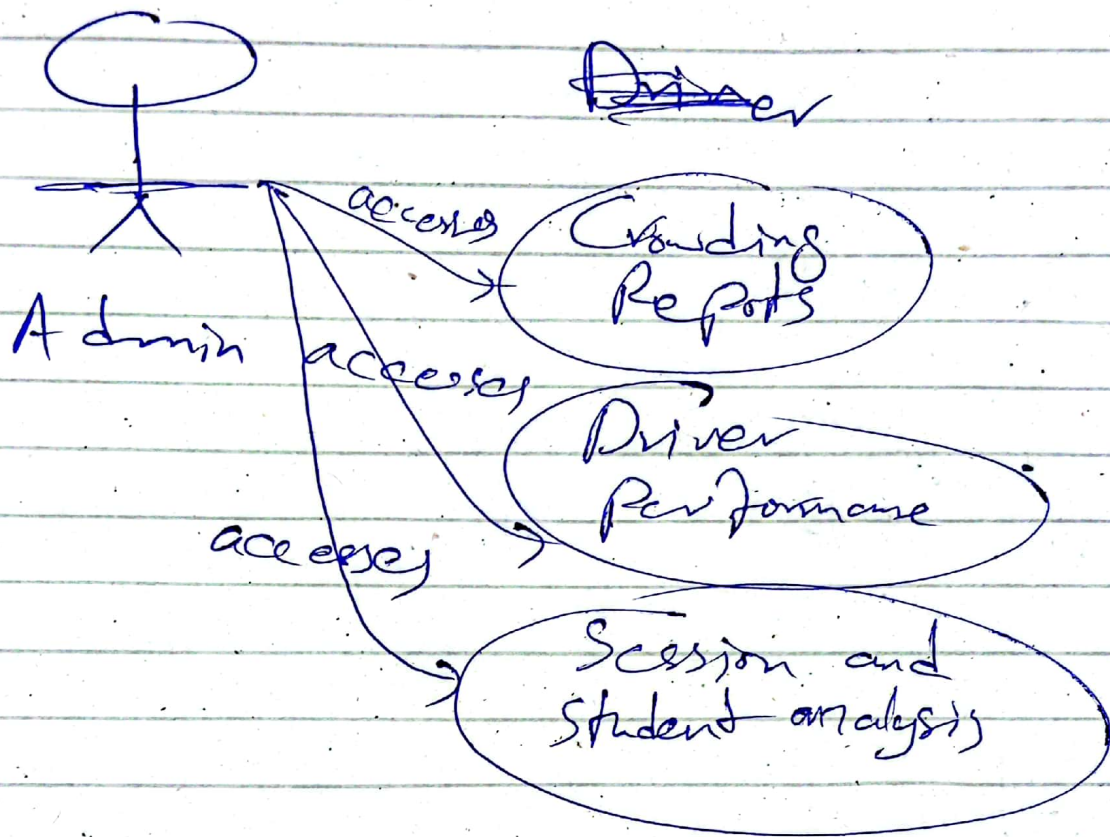
Use case of Announcements

Admin inputs Announcement
Admin creates Announcement deletion
Student accesses Announcement
driver view Announcement