Parkville Day and Night parking

Parkville is a public car parking space, located between a middle income residence and a busy business center with offices, it receives about 100 to 200 cars a day for parking and oparates a car tyre clinic and renting car batteries. For easy management and record keeping, parkville is looking for a software solution to fill the gap

Car parking unit.

Trucks

Each car registers (name of the driver, number plate, color time of the arrival, model, date, phone number.)
Each car is charged ugx 5000 a day, and 10000a night. 2000 is charged for parking less than 3 hours

Personal cars (not above 5 passegers)
Each car registers (name of the driver, number plate, color time of the arrival, model, date, phone number.)
Each car is charged ugx 3000 a day, and 2000a night. 2000 is charged for parking less than 3 hours

Taxis (below 14 passengers)
Each car registers (name of the driver, number plate, color time of the arrival, model, date, phone number.)
Each car is charged ugx 3000 a day, and 2000 night. 2000 is charged for parking less than 3 hours

Coasters (16 above passenger)
each car registers (name of the driver, number plate, color time of the arrival, model, date, phone number.)
each car is charged ugx 4000 a day, and 2000a night. 3000 is charged for parking less than 3 hours

Boda-bodas
Each car registers (name of the driver, number plate, color time of the arrival, model, date, NIN number, phone number)
Each car is charged ugx 2000 a day, and 2000a night. 1000 is charged for parking less than 3 hours

On parking each car is issued with a receipt and with unique number that will be used to confirm durring the signing out the car.

Car Tyre Clinic

Car tyre prices are pre entered in the system and are identified by tyre sizes, make, and intended car model/s,
 car tire services;- tyre pressure 500, puncture fixing is ugx 5000, valves 5000

Battery Section
Battery are hired out at a fee based on the size, the price should be determined by the section manager
new car batteries

Note:
On signing off the car, renting a battery or bodaboda, the receiver registers (name, receipt number, phone number, time, date, gender, NIN No.)

The system is intended to be used by unit managers(tyre clininc, battery section, and parking section)

- Names should not contain numbers and shuld start with a capital letter and not less than 1 character
- Number plates should be less than 6 letters alpha numeric, starting with U.
- NIN numbers should be in a valid format
- All field that are required should be clearly marked.
- Phone numbers shpuld be valid Ugandan numbers
- No field should be left empty

Proposed system

Should be able to print all signed off cars of the day, all revenues made per day from different sections (parking, Battery, Tyre sections)

As a student you are required to design and implement a software solution to be used. In your implementtaion you must use **HTML, CSS, Javascript, and Nodejs** and any other technology and **softskills** taught. Additional credits will be given to students with extra innovations.

The task should take **six weeks** of implementation.

Good Luck