

Dockville Day and Night parking

Dockville is a public car parking space in Kyanja, which receives about 100 to 200 cars a day for parking and operates a car Tire Clinic and renting car Batteries. For easy management and record keeping, Dockville 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 3000 a day, and 5000 a night. UGX 2000 is charged for parking less than 3 hours

Personal cars (not above 5 seaters)

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 a night. 2000 is charged for parking less than 3 hours

Taxis (below 14 seaters)

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 per night. 2000 is charged for parking less than 3 hours

Coasters (16 above passengers)

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 motorcycle registers (name of the driver, number plate, color time of the arrival, model, date, NIN number, phone number)

Each motorcycle is charged ugx 2000 a day, and 2000a night. 1000 is charged for parking less than 3 hours

On parking each car/motorcycle is issued with a receipt and with a unique number that will be used to confirm during the signing out/in of the car/motorcycle.

Car Tire Clinic

Car tires prices are pre entered in the system and are identified by tires sizes, make, and intended car model/s,

car tire services; - tire pressure 500, puncture fixing is ugx 5000, valves 5000

Battery Section

Batteries are hired out at a fee based on the size; the price should be determined by the section manager.

Note:

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

The system is intended to be used by unit managers (Tires Clinic, Battery Section, and Parking Section)

- Names should not contain numbers and should 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 fields that are required should be clearly marked.
- Phone numbers should 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, Tire sections)

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

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

Good Luck