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Statement of Goal :

Assuming an android app is planned to be developed for your college parking lot. The goal of this android app would be to see if there are any vacant spots in the parking lot to park the student's vehicle. If there are any , where in the parking lot is that spot as imaginary spots.

Functional description:

About Application:

The parking allotment application helps student to exactly knows which parking spots have already been occupied in the imaginary parking lot and which are still open. The student can then just directly drive to that exact spot to part his car rather than taking a trial and error approach and wasting crucial time for parking.

Process:

The student login by using college SAP IP and password. (College SAP ID is an individual unique identification that is associated to student for all the university purpose work)

At home page user need to select the parking spot (2-wheeler, 4-wheeler) and enter the vehicle reg. no. or the name plate number.

Basis on the specific selection the parking spot map will be visible, where user can analyse the parking spot.

After parking, user need to scan the QR code. Every spot has an individual unique QR code, with help of this QR code which will be accessed on the entrance and exit of parking allotment. The details will be linked to the users SAP ID. With the help of QR code system the reserved and available slots will be visible to the user.

Thus there will be an reservation detail section for user, that can be accessed by user and administration for management purposes.

Wireframe :

Android Mobile – 1

COLLEGE LOGO

LOG IN

SAP ID

PASSWORD

☐ Show Password
☐ Forgot Password

Android Mobile – 2

User Name
Sap ID
License details

☰ | HOME

Parking For :

☐ 2- Wheeler

☐ 4- Wheeler

Enter the vehicle REG. No.

(Search for parking)

Android Mobile – 3

☰ | 2 WHEELER PARKING

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

| 8 | 9 | 10 | 11 | 12 | 13 | 14 |

| 15 | 16 | 17 | 18 | 19 | 20 | 21 |

■ ALREADY PARKED
☐ SPACE AVAILABLE

Android Mobile – 4

☰ | 4 WHEELER PARKING

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

| 8 | 9 | 10 | 11 | 12 | 13 | 14 |

| 15 | 16 | 17 | 18 | 19 | 20 | 21 |

■ ALREADY PARKED
☐ SPACE AVAILABLE

Android Mobile – 5

☰ | SPOT RESERVATION

SELECT THE SLOT

SCAN THE QR- SCAN

QR CODE

With respect
to specific slot

Android Mobile – 6

☰ | RESERVATION DETAILS

User Name
Sap ID
License details

Vehicle REG. No.

SLOT DETAILS