

USER ( USER ID, FIRST NAME, LAST NAME, ADDRESS, GENDER, DOB )

ADMIN ( USER ID )

STUDENT ( USER ID, MAJOR, REGISTER DATE )

USER - PHONE NUMBER ( USER ID, PHONE NUMBER )

USER - EMAIL ( USER ID, EMAIL )

LOCATION ( LOCATION ID, ADDRESS, LOC NAME )

ADD/REMOVE ( USER ID, LOCATION ID )

LOCATION - VEHICLE ( LOCATION ID, VEHICLE ID )

VEHICLE ( VEHICLE ID, AVAILABILITY, RATE, CONDITION,  
MODEL, TIME )

MANAGES ( USER ID, VEHICLE ID )

BIKE / SCOOTER BOOKING ( BOOKING ID, PICKUP DATE,  
RETURN DATE, VEHICLE ID, USER ID )

PENALTY ( BOOKING ID, PENALTY ID, DAMAGE, OVERDUE DATE,  
PENALTY CHARGE )



### USER

CANDIDATE KEYS : USER ID

FUNCTIONAL DEPENDENCIES :

USER ID  $\rightarrow$  { FIRST NAME, LAST NAME, ADDRESS, GENDER, DOB }

### ADMIN

CANDIDATE KEY: USER ID

### STUDENT

CANDIDATE KEY : USER ID

FUNCTIONAL DEPENDENCIES: USER ID  $\rightarrow$  { MAJOR, REGISTER DATE }

### USER-PHONE NUMBER

CANDIDATE KEYS : USER ID, PHONE NUMBER

### USER-EMAIL

CANDIDATE KEYS : USER ID, EMAIL

### LOCATION

CANDIDATE KEYS : LOCATION ID

FUNCTIONAL DEPENDENCIES : { ADDRESS, LOCNAME }

### ADD/REMOVE

CANDIDATE KEYS : USER ID, LOCATION ID



## LOCATION - VEHICLE

CANDIDATE KEYS : LOCATION ID, VEHICLE ID

## VEHICLE

CANDIDATE KEYS : VEHICLE ID

FUNCTIONAL DEPENDENCIES :

VEHICLE ID  $\rightarrow$  { AVAILABILITY, RATE, CONDITION, MODEL, TYPE }

## MANAGES

CANDIDATE KEYS : USER ID, VEHICLE ID

## BIKE / SCOOTER BOOKING

CANDIDATE KEYS : BOOKING ID

FUNCTIONAL DEPENDENCIES :

BOOKING ID  $\rightarrow$  { PICKUP DATE, RETURN DATE,  
VEHICLE ID, USER ID }

## PENALTY

CANDIDATE KEYS : BOOKING ID, PENALTY ID

FUNCTIONAL DEPENDENCIES :

{ BOOKING ID, PENALTY ID }  $\rightarrow$  { DAMAGE, OVERDUE DATE,  
PENALTY CHARGE }

TEAM 3 - PHASE 3

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