

# **Safety Escort Service Database Management System**

Milestone – Logical Modeling (relational model)

Group 22

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Percentage of Effort Contributed by Veda: 50

Percentage of Effort Contributed by Satyajit: 50

Signature of Veda: VEDA

Signature of Satyajit: SATYAJIT

Submission Date: 02/19/2023

Student (S\_ID, Sname, Semail, Spass, Sphone, Sadd, buildnum, street, zipcode)

S\_ID primary key

Favorites (Ftype, Fdest)

Ftype primary key

Driver (D\_ID, Dname, Dstatus, Dphone, Demail, Dpass, Dadd, buildnum, street, zipcode)

D\_ID primary key

Vehicle (V\_ID, V\_model, V\_plate, V\_color)

V\_ID primary key

Route (Ro\_ID, Ro\_origin, Ro\_dest, Ro\_istops)

Ro\_ID primary key

Ro\_dest in relation to R\_dest in Ride

Ride (R\_ID, R\_type, R\_origin, R\_dest, R\_ptime, R\_etime)

R\_ID primary key

Ride\_History (S\_ID, D\_ID, R\_ID, V\_ID, RH\_etime, RH\_stime, RH\_origin, RH\_dest, Rating)

S\_ID foreign key in relation to S\_ID in Student

D\_ID foreign key in relation to D\_ID in Driver

V\_ID foreign key in relation to V\_ID in Vehicle

R\_ID foreign key in relation to R\_ID in Ride

RH\_stime in relation to R\_ptime in Ride

RH\_etime in relation to R\_etime in Ride

RH\_dest in relation to R\_dest in Ride

RH\_origin in relation to R\_origin in Ride

Notifications (N\_ID, Nmess)

N\_ID primary key

book (S\_ID, R\_ID)

S\_ID: relation to S\_ID in Student

R\_ID: relation to R\_ID in Ride

assign (D\_ID, V\_ID, Ro\_ID)

D\_ID: relation to D\_ID in Driver

V\_ID: relation to V\_ID in Vehicle

Ro\_ID: relation to Ro\_ID in Route

Notifies (R\_ID, S\_ID, D\_ID)

S\_ID: relation to S\_ID in Student

R\_ID: relation to R\_ID in Ride

D\_ID: relation to D\_ID in Driver