**DB1 Project 2**

**Car Rental Application**

Karthikeyan Rajamani 1001267157

Vineel Krishna Vellanki 1001228753

**Schema Enhancements:**

The following are the enhancements made to the rentals schema in Car Rental Application:

1. Table , ‘rentals.rentalshistory’ is added, which contains the details of the old rental records. When a car is returned, the details of the rented car from the ‘rentals.rentals’ table is moved to ‘rentals.rentalshistory’ table.

CREATE TABLE `rentalshistory` (

`R\_Customer\_Id` int(11) DEFAULT NULL,

`R\_Vehicle\_Id` int(11) DEFAULT NULL,

`Location` varchar(15) DEFAULT 'Arlington',

`Daily\_Flag` char(1) DEFAULT NULL,

`D\_StDate` date DEFAULT NULL,

`D\_NoofDays` int(11) DEFAULT NULL,

`D\_RtDate` date DEFAULT NULL,

`D\_AmtDue` decimal(10,2) DEFAULT NULL,

`Weekly\_Flag` char(1) DEFAULT NULL,

`W\_StDate` date DEFAULT NULL,

`W\_NoofWeeks` int(11) DEFAULT NULL,

`W\_RtDate` date DEFAULT NULL,

`W\_AmtDue` decimal(10,2) DEFAULT NULL

)

1. A trigger, `rentals`.`car\_AFTER\_INSERT` is added for the following purpose:

Whenenever a car is inserted to the ‘rentals.car’ table, the newly added car is made available for all the three months period. The last\_inserted vehicle\_Id in the ‘rentals.car’ table, is used and is made available to all the periods in the ‘rentals.car\_availability’ table.

CREATE DEFINER=`db1`@`%` TRIGGER `rentals`.`car\_AFTER\_INSERT` AFTER INSERT ON `car` FOR EACH ROW

BEGIN

declare vid int;

SET @vid = (SELECT max(Vehicle\_Id) from car);

insert into car\_availability(Vehicle\_Id,Period\_Id,Avail\_Flag) values (@vid,1,'Y');

insert into car\_availability (Vehicle\_Id,Period\_Id,Avail\_Flag) values (@vid,2,'Y');

insert into car\_availability (Vehicle\_Id,Period\_Id,Avail\_Flag) values (@vid,3,'Y');

insert into car\_availability (Vehicle\_Id,Period\_Id,Avail\_Flag) values (@vid,4,'Y');

insert into car\_availability (Vehicle\_Id,Period\_Id,Avail\_Flag) values (@vid,5,'Y');

insert into car\_availability (Vehicle\_Id,Period\_Id,Avail\_Flag) values (@vid,6,'Y');

END