

Project Description

We designed the Vehicle Rental Database Management System that focuses on customers, Inventory management and Employees. We have cars of different categories to help customers choose what works best for them. We have an adequate number of employees that are available to help customers.

Following are the tasks that we have accomplished from this Database

- Customers are able to rent the cars with/without a driver.
- Customers have access to a wide variety of cars ranging from Sedans to Big SUVs.
- Customers are given an option to opt for extra insurance to have a peace of mind.
- Customers with disabilities can opt for vehicles that are specially designed with ramps to help them.
- Customers can choose from different pick up and drop off locations.
- Database stores all the necessary information about the customers and employees.

Changes in Schema:

- The Schema of Payment table was little different than that we submitted for milestone 3 as we had to add an extra column for PaymentDate. This column was added because we wanted to have a record of Date at which the payment was made. Also, this turned out to be very useful when we were doing a query for Nested aggregation as we decided to group our results based on the month extracted from the PaymentDate column.
- For certain columns in our database we had a string data type and we changed that to VARCHAR as MY SQL SERVER did not support datatype.
- We had to change the CASCADE statement for corresponding to update as it did not make sense to have a UPDATE statement. We kept the CASCADE for both DELETE statements.