Data structures

Users

Id : PKey Int
Name : string (64 ch)
Private Parking : string nullable (64 ch)
Password : string not null (256 ch)
Home Address : string (256 ch)

Parking Spaces

Parking Id : PK Int

Parking Reservation

Parking Reservation ID : PK
Owner Id : FK nullable
From Date : Datetime not null
To Date : Datetime not null
Surrogate Id : FK nullable

CarPool

CarPool Id : Int PK
Driver Id : FK not null
Limit : Int not null
Date : Datetime

Park Request

Park Request Id : PK Int
User Id : FK nullable
From Date : Datetime not null
To Date : Datetime not null

CarPool Members

User Id : FK
CarPool Id : FK

CarPool Request

User Id : FK
CarPool Id : FK