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CREATE TABLE Dock(  
  Id INT(6) NOT NULL,  
  Dockname VARCHAR(45) NOT NULL,  
  Address VARCHAR(45) NOT NULL,  
  Quantity INT NOT NULL,  
  Area VARCHAR(45) NOT NULL,  
  PRIMARY KEY (Id)  
);  
  
CREATE TABLE Bike (  
  Id INT(6) NOT NULL,  
  Barcode VARCHAR(45) NOT NULL,  
  Type VARCHAR(45) NOT NULL,  
  licensePlate VARCHAR(45) NOT NULL,  
  PRIMARY KEY (Id)  
);  
  
CREATE TABLE StandardElectricBike (  
  Id INT(6) NOT NULL,  
  PinStatus VARCHAR(10) NOT NULL,  
  PRIMARY KEY (Id),  
  CONSTRAINT FK_BikeStandardEBike FOREIGN KEY (Id)  
  REFERENCES Bike(Id)  
);  
  
CREATE TABLE DockBike (  
  DockId INT(6) NOT NULL,  
  BikeId INT(6) NOT NULL,  
  PRIMARY KEY (DockId, BikeId),  
  CONSTRAINT FK_DockDockBike FOREIGN KEY (DockId)  
  REFERENCES Dock(Id),  
  CONSTRAINT FK_BikeDockBike FOREIGN KEY (BikeId)
```

REFERENCES Bike(Id)

);

CREATE TABLE CreditCard (

Id INT(6) NOT NULL,

CardCode VARCHAR(45) NOT NULL,

Owner VARCHAR(45) NOT NULL,

cvvCode VARCHAR(3) NOT NULL,

dateExpired VARCHAR(4) NOT NULL,

PRIMARY KEY (Id)

);

CREATE TABLE Invoice (

Id INT(6) NOT NULL,

Renter VARCHAR(45) NOT NULL,

TimeRental VARCHAR(10) NOT NULL,

rentalFees INT NOT NULL,

BikeId INT(6) NOT NULL,

DockId INT(6) NOT NULL,

CONSTRAIN FK_DockInvoice FOREIGN KEY (DockId)

REFERENCES Dock(Id),

CONSTRAIN FK_BikeInvoice FOREIGN KEY (BikeId)

REFERENCES Bike(Id)

);

CREATE TABLE TRANSACTION (

Id INT(6) NOT NULL,

Method VARCHAR(45) NOT NULL,

Amount INT NOT NULL,

createdAt DATETIME NOT NULL,

Content VARCHAR(45) NOT NULL,

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InvoiceId INT(6) NOT NULL,  
CardId INT(6) NOT NULL,  
PRIMARY KEY (Id),  
CONSTRAIN FK_DockDockBike FOREIGN KEY (InvoiceId)  
REFERENCES Invoice(Id),  
CONSTRAIN FK_BikeDockBike FOREIGN KEY (CardId)  
REFERENCES CreditCard(Id)  
);
```