Δημιουργία client table:

```java
public void createClientRecordingsTable() {

    Connection connect;

    Statement statement;

    String query = null;

    try {

        connect = DB_Connection.getConnection();

        statement = connect.createStatement();

        query = "CREATE TABLE IF NOT EXISTS ClientRecordings" +

                "(ClientID INT NOT NULL AUTO_INCREMENT," +

                "Firstname VARCHAR(55) NOT NULL," +

                "Lastname VARCHAR(55) NOT NULL," +

                "Address VARCHAR(55) NOT NULL," +

                "Birthdate DATE NOT NULL," +

                "DriverLicenseNumber INT," +

                /*"CreditCardNumber INT," +

                "CreditCardExpirationDate DATE," +

                "Cvv INT," +*/

                "PRIMARY KEY (ClientID))";

        statement.execute(query);

        statement.close();

        connect.close();//maybe problematic

    }

    catch (SQLException ex){

        ex.printStackTrace(System.err);

    }

}
```

Δημιουργία accidentRecordings table:

```java
public void createAccidentRecordingsTable() {
```

```java
Connection connect;

Statement statement;

String query;

try{

    connect = DB_Connection.getConnection();

    statement = connect.createStatement();

    query = "CREATE TABLE IF NOT EXISTS AccidentRecordings" +

            "(AccidentID INT NOT NULL AUTO_INCREMENT," +

            "VehicleID INT NOT NULL," +

            "RenterID INT NOT NULL," +

            "FOREIGN KEY (RenterID) REFERENCES ClientRecordings(ClientID)," +

            "CONSTRAINT KEY1 FOREIGN KEY (VehicleID) REFERENCES
carrecordings(LicenseNumber)," +

            "CONSTRAINT KEY2 FOREIGN KEY (VehicleID) REFERENCES
MotorcycleRecordings(LicenseNumber)," +

            "CONSTRAINT KEY3 FOREIGN KEY (VehicleID) REFERENCES
eBikeRecordings(BikeID)," +

            "CONSTRAINT KEY4 FOREIGN KEY (VehicleID) REFERENCES
ScooterRecordings(ScooterID)," +

            "PRIMARY KEY (AccidentID))";

    statement.execute(query);

    statement.close();

    connect.close();

}

catch (Exception ex){

    ex.printStackTrace(System.err);

}

}
```

Δημιουργία car table:

```java
public void createCarRecordingsTable() {

    Connection connect = null;

    Statement statement = null;

    String query = null;

    try {

        connect = DB_Connection.getConnection();

        statement = connect.createStatement();

        query = "CREATE TABLE IF NOT EXISTS CarRecordings" +

                "(Brand VARCHAR(55) NOT NULL," +

                "Model VARCHAR(55) NOT NULL," +

                "Color VARCHAR(55) NOT NULL," +

                "DistanceRange INT NOT NULL," +

                "RentPrice INT NOT NULL," +

                "InsurancePrice INT NOT NULL," +

                "CarType VARCHAR(55) NOT NULL," +

                "LicenseNumber INT NOT NULL," +

                "Passengers INT NOT NULL," +

                "TimesRented INT NOT NULL DEFAULT 0," +

                "PRIMARY KEY (LicenseNumber))";

        statement.execute(query);

        statement.close();

        connect.close();//maybe problematic

    }

    catch (SQLException ex){

        ex.printStackTrace(System.err);

    }

}
```

Δημιουργία damagedVehicle table:

```java
public void createDamagedVehiclesTable() {

    Connection connect;

    Statement statement;
```

```java
        String query = null;
        try{
            connect = DB_Connection.getConnection();
            statement = connect.createStatement();
            query = "CREATE TABLE IF NOT EXISTS DamagedVehicles" +
                    "(DamagedVehicleID INT NOT NULL AUTO_INCREMENT," +
                    "VehicleID INT NOT NULL," +
                    "PRIMARY KEY (DamagedVehicleID))";
            statement.execute(query);
            statement.close();
            connect.close();//maybe problematic
        }
        catch (Exception ex){
            ex.printStackTrace(System.err);
        }
    }
```

Δημιουργία maintanance table:

```java
public void createMaintenanceRecordingsTable() {
    Connection connect;
    Statement statement;
    String query = null;
    try{
        connect = DB_Connection.getConnection();
        statement = connect.createStatement();
        query = "CREATE TABLE IF NOT EXISTS MaintenanceRecordings" +
                "(MaintenanceID INT NOT NULL AUTO_INCREMENT," +
                "MaintenanceDay DATE NOT NULL,"+
                "VehicleID INT NOT NULL," +
                "CONSTRAINT KEY1 FOREIGN KEY (VehicleID) REFERENCES carrecordings(LicenseNumber)," +
                "CONSTRAINT KEY2 FOREIGN KEY (VehicleID) REFERENCES MotorcycleRecordings(LicenseNumber)," +
```

```java
            "CONSTRAINT KEY3 FOREIGN KEY (VehicleID) REFERENCES eBikeRecordings(BikeID)," +

            "CONSTRAINT KEY4 FOREIGN KEY (VehicleID) REFERENCES ScooterRecordings(ScooterID)," +

            "MaintenanceUntil DATE NOT NULL," +

            "PRIMARY KEY (MaintenanceID))";

        statement.execute(query);

        statement.close();

        connect.close();//maybe problematic

    }

    catch (Exception ex){

        ex.printStackTrace(System.err);

    }

}
```

Δημιουργία motorcycle table:

```java
public void createMotorcycleRecordingsTable() {

    Connection connect = null;

    Statement statement = null;

    String query = null;

    try {

        connect = DB_Connection.getConnection();

        statement = connect.createStatement();

        query = "CREATE TABLE IF NOT EXISTS MotorcycleRecordings" +

            "(Brand VARCHAR(55) NOT NULL," +

            "Model VARCHAR(55) NOT NULL," +

            "Color VARCHAR(55) NOT NULL," +

            "DistanceRange INT NOT NULL," +

            "RentPrice INT NOT NULL," +

            "InsurancePrice INT NOT NULL," +

            "LicenseNumber INT NOT NULL," +

            "TimesRented INT NOT NULL DEFAULT 0," +

            "PRIMARY KEY (LicenseNumber))";

        statement.execute(query);
```

```java
        statement.close();

        connect.close();//maybe problematic

    }

    catch (SQLException ex){

        ex.printStackTrace(System.err);

    }

}
```

Δημιουργία rental table:

```java
public void createRentalRecordingsTable() {

    Connection connect;

    Statement statement;

    String query = null;

    try{

        connect = DB_Connection.getConnection();

        statement = connect.createStatement();

        query = "CREATE TABLE IF NOT EXISTS RentalRecordings" +

                "(RentalID INT NOT NULL AUTO_INCREMENT," +

                "CustomerName VARCHAR(55) NOT NULL," +

                "RentalDate DATE NOT NULL," +

                "ReturnDate DATE NOT NULL," +

                "VehicleType VARCHAR(55) NOT NULL," +

                "PaymentAmount INT NOT NULL," +

                "RenterID INT NOT NULL," +

                "VehicleID INT NOT NULL," +

                "assignedDriverID INT," +

                "FOREIGN KEY (RenterID) REFERENCES ClientRecordings(ClientID)," +

                "CONSTRAINT KEY1 FOREIGN KEY (VehicleID) REFERENCES carrecordings(LicenseNumber)," +

                "CONSTRAINT KEY2 FOREIGN KEY (VehicleID) REFERENCES MotorcycleRecordings(LicenseNumber)," +

                "CONSTRAINT KEY3 FOREIGN KEY (VehicleID) REFERENCES eBikeRecordings(BikeID)," +

                "CONSTRAINT KEY4 FOREIGN KEY (VehicleID) REFERENCES ScooterRecordings(ScooterID)," +
```

```java
            "PRIMARY KEY (RentalID))";
        statement.execute(query);
        statement.close();
        connect.close();//maybe problematic
        }
    catch (Exception ex){
        ex.printStackTrace(System.err);
    } }
```

Δημιουργία scooter table:

```java
public void createScooterRecordingsTable() {
    Connection connect = null;
    Statement statement = null;
    String query = null;
    try {
        connect = DB_Connection.getConnection();
        statement = connect.createStatement();
        query = "CREATE TABLE IF NOT EXISTS ScooterRecordings" +
                "(ScooterID INT NOT NULL AUTO_INCREMENT," +
                "Brand VARCHAR(55) NOT NULL," +
                "Model VARCHAR(55) NOT NULL," +
                "Color VARCHAR(55) NOT NULL," +
                "DistanceRange INT NOT NULL," +
                "RentPrice INT NOT NULL," +
                "InsurancePrice INT NOT NULL," +
                "TimesRented INT NOT NULL DEFAULT 0,"+
                "PRIMARY KEY (ScooterID))";
        statement.execute(query);
        statement.close();
        connect.close();//maybe problematic
    }
    catch (SQLException ex){
```

```java
            ex.printStackTrace(System.err);

        }

    }


```

Δημιουργία eBike table:

```java
public void createEBikeRecordingsTable() {

    Connection connect = null;

    Statement statement = null;

    String query = null;

    try {

        connect = DB_Connection.getConnection();

        statement = connect.createStatement();

        query = "CREATE TABLE IF NOT EXISTS eBikeRecordings" +

                "(BikeID INT NOT NULL AUTO_INCREMENT," +

                "Brand VARCHAR(55) NOT NULL," +

                "Model VARCHAR(55) NOT NULL," +

                "Color VARCHAR(55) NOT NULL," +

                "DistanceRange INT NOT NULL," +

                "RentPrice INT NOT NULL," +

                "InsurancePrice INT NOT NULL," +

                "TimesRented INT NOT NULL DEFAULT 0," +

                "PRIMARY KEY (BikeID))";

        statement.execute(query);

        statement.close();

        connect.close();//maybe problematic

    }

    catch (SQLException ex){

        ex.printStackTrace(System.err);

    }

}

```

Εισαγωγές για κάθε πίνακα:

```java
public class Resources {

    static String car1JSON = "{\"Brand\":\"TOYOTA\",\"Model\":\"COROLA\",\"Color\":\"Black\","
        + "\"Range\":\"1000\",\"RentPrice\":\"150\",\"InsurancePrice\":\"50\",\"CarType\":\"SUV\","
        + "\"LicenseNumber\":\"56789\","
        + "\"Passengers\":\"5\"}";


    static String car2JSON = "{\"Brand\":\"TOYOTA\",\"Model\":\"YIARIS\",\"Color\":\"Black\","
        +
"\"Range\":\"56000\",\"RentPrice\":\"200\",\"InsurancePrice\":\"60\",\"CarType\":\"SUV\","
        + "\"LicenseNumber\":\"73920\","
        + "\"Passengers\":\"5\"}";


    static String car3JSON = "{\"Brand\":\"FIAT\",\"Model\":\"PANDA\",\"Color\":\"Yellow\","
        +
"\"Range\":\"84930\",\"RentPrice\":\"100\",\"InsurancePrice\":\"40\",\"CarType\":\"SUV\","
        + "\"LicenseNumber\":\"567229\","
        + "\"Passengers\":\"5\"}";


    static String car4JSON = "{\"Brand\":\"NISSAN\",\"Model\":\"CASCAI\",\"Color\":\"Black\","
        + "\"Range\":\"1000\",\"RentPrice\":\"180\",\"InsurancePrice\":\"50\",\"CarType\":\"SUV\","
        + "\"LicenseNumber\":\"567389\","
        + "\"Passengers\":\"4\"}";


    static String car5JSON = "{\"Brand\":\"TESLA\",\"Model\":\"SPACE\",\"Color\":\"Black\","
        +
"\"Range\":\"1000\",\"RentPrice\":\"250\",\"InsurancePrice\":\"100\",\"CarType\":\"ELECTRIC\","
        + "\"LicenseNumber\":\"567849\","
        + "\"Passengers\":\"5\"}";


    static String scooter1JSON = "{\"Brand\":\"VESPA\",\"Model\":\"Sprint\",\"Color\":\"Black\","
```

```java
                + "\"Range\":\"500\",\"RentPrice\":\"60\",\"InsurancePrice\":\"20\","
                + "\"ScooterID\":\"200\"}";


    static String scooter2JSON = "{\"Brand\":\"VESPA\",\"Model\":\"Elettrica\",\"Color\":\"Black\","
                + "\"Range\":\"1820\",\"RentPrice\":\"50\",\"InsurancePrice\":\"50\","
                + "\"ScooterID\":\"582\"}";


    static String scooter3JSON = "{\"Brand\":\"SUZUKI\",\"Model\":\"Lets\",\"Color\":\"Black\","
                + "\"Range\":\"145\",\"RentPrice\":\"90\",\"InsurancePrice\":\"10\","
                + "\"ScooterID\":\"598\"}";


    static String scooter4JSON = "{\"Brand\":\"SUZUKI\",\"Model\":\"Lets\",\"Color\":\"White\","
                + "\"Range\":\"145\",\"RentPrice\":\"80\",\"InsurancePrice\":\"10\","
                + "\"ScooterID\":\"590\"}";



    static String scooter5JSON = "{\"Brand\":\"APOLLO\",\"Model\":\"STAND\",\"Color\":\"Red\","
                + "\"Range\":\"1000\",\"RentPrice\":\"90\",\"InsurancePrice\":\"10\","
                + "\"ScooterID\":\"105\"}";


    static String eBike1JSON = "{\"Brand\":\"Aventon\",\"Model\":\"Sprint\",\"Color\":\"Black\","
                + "\"Range\":\"500\",\"RentPrice\":\"60\",\"InsurancePrice\":\"20\","
                + "\"eBikeID\":\"201\"}";


    static String eBike2JSON = "{\"Brand\":\"Benno\",\"Model\":\"Elettrica\",\"Color\":\"Black\","
                + "\"Range\":\"1820\",\"RentPrice\":\"50\",\"InsurancePrice\":\"50\","
                + "\"eBikeID\":\"583\"}";


    static String eBike3JSON = "{\"Brand\":\"Aventon\",\"Model\":\"Lets\",\"Color\":\"Black\","
                + "\"Range\":\"145\",\"RentPrice\":\"90\",\"InsurancePrice\":\"10\","
                + "\"eBikeID\":\"518\"}";
```

```java
static String eBike4JSON = "{\"Brand\":\"Benno\",\"Model\":\"Lets\",\"Color\":\"White\","
    + "\"Range\":\"145\",\"RentPrice\":\"80\",\"InsurancePrice\":\"10\","
    + "\"eBikeID\":\"523\"}";


static String eBike5JSON = "{\"Brand\":\"Bemno\",\"Model\":\"STAND\",\"Color\":\"Red\","
    + "\"Range\":\"1000\",\"RentPrice\":\"90\",\"InsurancePrice\":\"10\","
    + "\"eBikeID\":\"115\"}";


static String motorcycle1JSON = "{\"Brand\":\"BMW\",\"Model\":\"Sprint\",\"Color\":\"Black\","
    + "\"Range\":\"500\",\"RentPrice\":\"60\",\"InsurancePrice\":\"20\","
    + "\"LicenseNumber\":\"20421\"}";


static String motorcycle2JSON = "{\"Brand\":\"KTM\",\"Model\":\"Elettrica\",\"Color\":\"Black\","
    + "\"Range\":\"1820\",\"RentPrice\":\"50\",\"InsurancePrice\":\"50\","
    + "\"LicenseNumber\":\"59083\"}";


static String motorcycle3JSON = "{\"Brand\":\"HARLEY\",\"Model\":\"Lets\",\"Color\":\"Black\","
    + "\"Range\":\"145\",\"RentPrice\":\"90\",\"InsurancePrice\":\"10\","
    + "\"LicenseNumber\":\"51568\"}";


static String motorcycle4JSON = "{\"Brand\":\"APRILIA\",\"Model\":\"Lets\",\"Color\":\"White\","
    + "\"Range\":\"145\",\"RentPrice\":\"80\",\"InsurancePrice\":\"10\","
    + "\"LicenseNumber\":\"50923\"}";


static String motorcycle5JSON = "{\"Brand\":\"HONDA\",\"Model\":\"STAND\",\"Color\":\"Red\","
    + "\"Range\":\"1000\",\"RentPrice\":\"90\",\"InsurancePrice\":\"10\","
    + "\"LicenseNumber\":\"11245\"}";


static String rental1JSON =
"{\"RentalID\":\"1009\",\"CustomerName\":\"Julia\",\"RentalDate\":\"2023-12-12\","
```

```java
        + "\"ReturnDate\":\"2023-12-18\",\"PaymentAmount\":\"2050\",\"RenterID\":\"100\","

        + "\"VehicleID\":\"100\"}";
    static String rental2JSON =
"{\"RentalID\":\"1012\",\"CustomerName\":\"Anna\",\"RentalDate\":\"2023-12-12\","

        + "\"ReturnDate\":\"2023-12-18\",\"PaymentAmount\":\"1900\",\"RenterID\":\"100\","

        + "\"VehicleID\":\"700\"}";
    static String rental3JSON =
"{\"RentalID\":\"1080\",\"CustomerName\":\"Chris\",\"RentalDate\":\"2023-12-12\","

        + "\"ReturnDate\":\"2023-12-15\",\"PaymentAmount\":\"1500\",\"RenterID\":\"180\","

        + "\"VehicleID\":\"150\"}";
    static String rental4JSON =
"{\"RentalID\":\"1234\",\"CustomerName\":\"Julia\",\"RentalDate\":\"2023-12-19\","

        + "\"ReturnDate\":\"2023-12-22\",\"PaymentAmount\":\"1450\",\"RenterID\":\"100\","

        + "\"VehicleID\":\"101\"}";
    static String rental5JSON =
"{\"RentalID\":\"1784\",\"CustomerName\":\"Lola\",\"RentalDate\":\"2023-12-19\","

        + "\"ReturnDate\":\"2023-12-22\",\"PaymentAmount\":\"1500\",\"RenterID\":\"109\","

        + "\"VehicleID\":\"170\"}";


    static String client1JSON = "{\"ClientID\":\"107\",\"Firstname\":\"Roula\",\"Lastname\":\"Mel\","

        + "\"address\":\"spitimou\",\"birthdate\":\"2003-10-
23\",\"DriverLicenseNumber\":\"84832984\","

        + "\"CreditCardNumber\":\"12467\",\"CreditCardExpirationDate\":\"2023-11-
10\",\"Cvv\":\"123\"}";
    static String client2JSON = "{\"ClientID\":\"110\",\"Firstname\":\"Demi\",\"Lastname\":\"Mel\","

        + "\"address\":\"spitimou\",\"birthdate\":\"2003-10-
24\",\"DriverLicenseNumber\":\"84832984\","

        + "\"CreditCardNumber\":\"12456\",\"CreditCardExpirationDate\":\"2023-11-
10\",\"Cvv\":\"143\"}";
    static String client3JSON =
"{\"ClientID\":\"180\",\"Firstname\":\"Christina\",\"Lastname\":\"Mel\","

        + "\"address\":\"spitisou\",\"birthdate\":\"2003-10-
23\",\"DriverLicenseNumber\":\"84832984\","

        + "\"CreditCardNumber\":\"19017\",\"CreditCardExpirationDate\":\"2023-11-
9\",\"Cvv\":\"193\"}";
```

```java
    static String client4JSON =
"{\"ClientID\":\"150\",\"Firstname\":\"Lefteris\",\"Lastname\":\"Mel\","
        + "\"address\":\"spititou\",\"birthdate\":\"2003-10-
23\",\"DriverLicenseNumber\":\"84832984\","
        + "\"CreditCardNumber\":\"10067\",\"CreditCardExpirationDate\":\"2023-12-
2\",\"Cvv\":\"983\"}";
    static String client5JSON = "{\"ClientID\":\"143\",\"Firstname\":\"Kon\",\"Lastname\":\"Mel\","
        + "\"address\":\"spitilou\",\"birthdate\":\"2003-10-
23\",\"DriverLicenseNumber\":\"84832984\","
        + "\"CreditCardNumber\":\"16789\",\"CreditCardExpirationDate\":\"2023-12-
2\",\"Cvv\":\"993\"}";
static String accident1JSON =
"{\"AccidentID\":\"107\",\"VehicleID\":\"134\",\"RentedID\":\"467\"}";
    static String accident2JSON =
"{\"AccidentID\":\"104\",\"VehicleID\":\"134\",\"RentedID\":\"467\"}";
    static String accident3JSON =
"{\"AccidentID\":\"109\",\"VehicleID\":\"194\",\"RentedID\":\"467\"}";
    static String accident4JSON =
"{\"AccidentID\":\"102\",\"VehicleID\":\"134\",\"RentedID\":\"467\"}";
    static String accident5JSON =
"{\"AccidentID\":\"103\",\"VehicleID\":\"134\",\"RentedID\":\"467\"}";


    static String damaged1JSON = "{\"DamagedVehicleID\":\"107\",\"VehicleID\":\"134\"}";

    static String damaged2JSON = "{\"DamagedVehicleID\":\"104\",\"VehicleID\":\"134\"}";

    static String damaged3JSON = "{\"DamagedVehicleID\":\"109\",\"VehicleID\":\"134\"}";

    static String damaged4JSON = "{\"DamagedVehicleID\":\"102\",\"VehicleID\":\"134\"}";

    static String damaged5JSON = "{\"DamagedVehicleID\":\"103\",\"VehicleID\":\"134\"}";


static String maintenance1JSON = "{\"MaintenanceID\":\"107\",\"MaintenanceDate\":\"2023-12-
2\",\"VehicleID\":\"134\"}";

    static String maintenance2JSON = "{\"MaintenanceID\":\"104\",\"MaintenanceDate\":\"2023-12-
2\",\"VehicleID\":\"134\"}";

    static String maintenance3JSON = "{\"MaintenanceID\":\"109\",\"MaintenanceDate\":\"2023-12-
2\",\"VehicleID\":\"134\"}";

    static String maintenance4JSON = "{\"MaintenanceID\":\"102\",\"MaintenanceDate\":\"2023-12-
2\",\"VehicleID\":\"134\"}";
```

```java
    static String maintenance5JSON = "{\"MaintenanceID\":\"103\",\"MaintenanceDate\":\"2023-12-2\",\"VehicleID\":\"134\"}";



}
```