**Project Mobile Application**

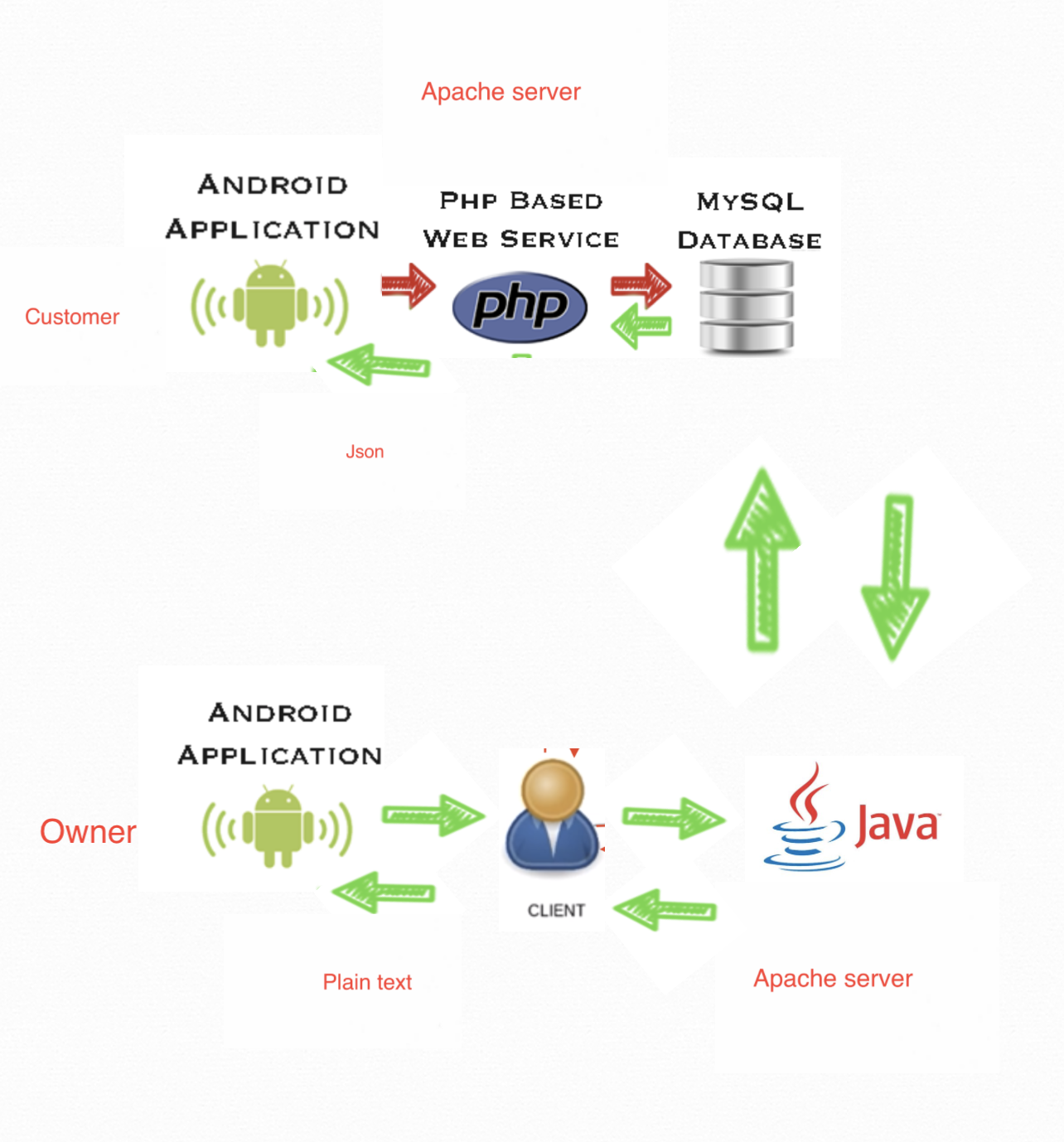
**App “Car rental”**

**Prepared by**

**1.5804062660125 Mr.Yodchai Thammakesorn**

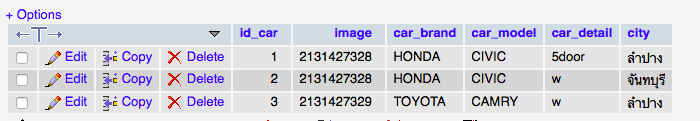
**2.5804062660273 Mr.Chirathip Chantrawichaikun**

**Architecture**

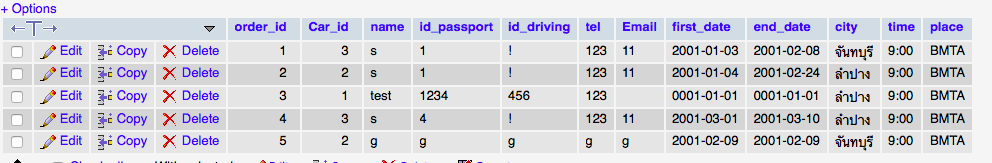


**DATABASE**

**Car**

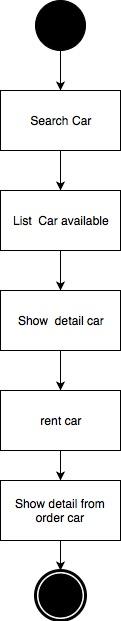
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**Order**

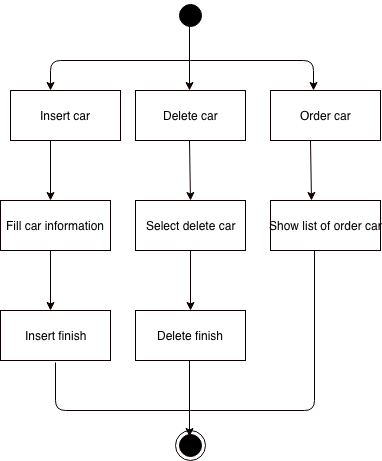
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**Activity diagram**

**Customer**

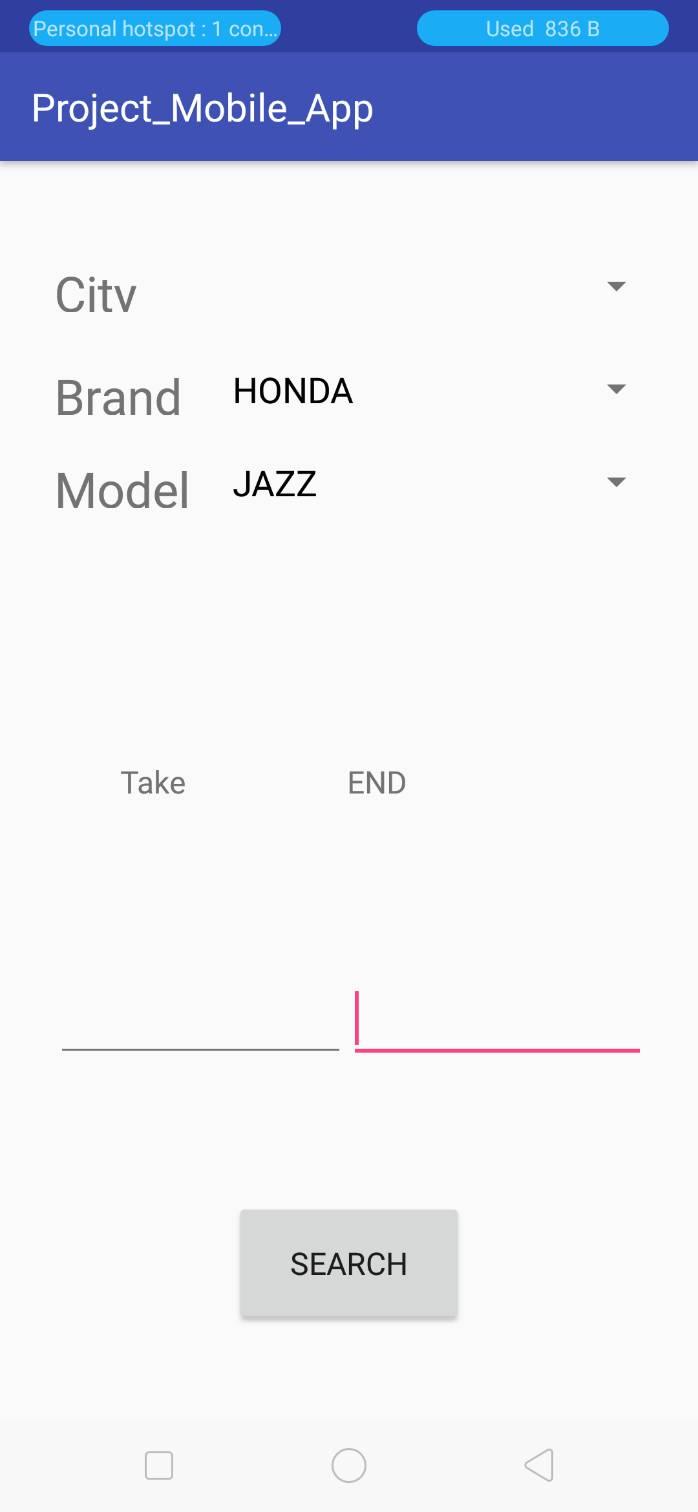
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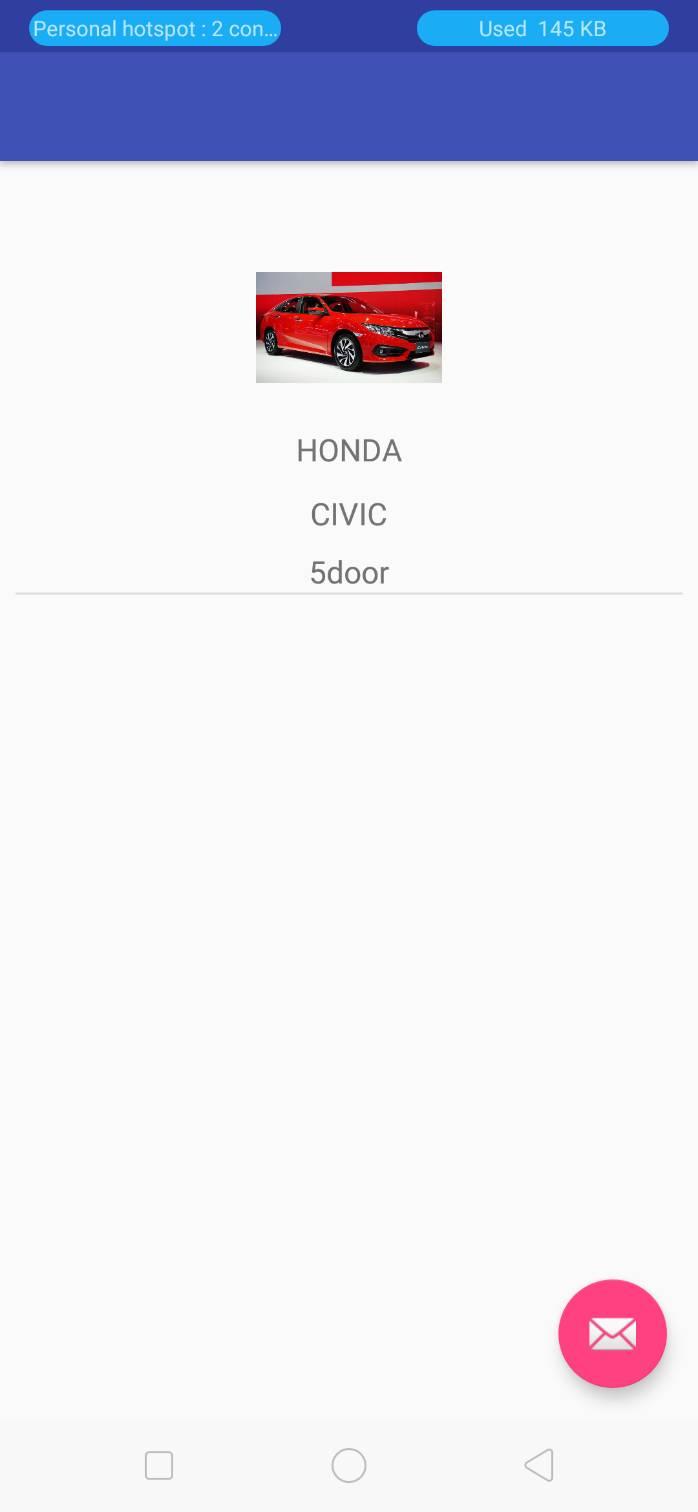
**Owner**

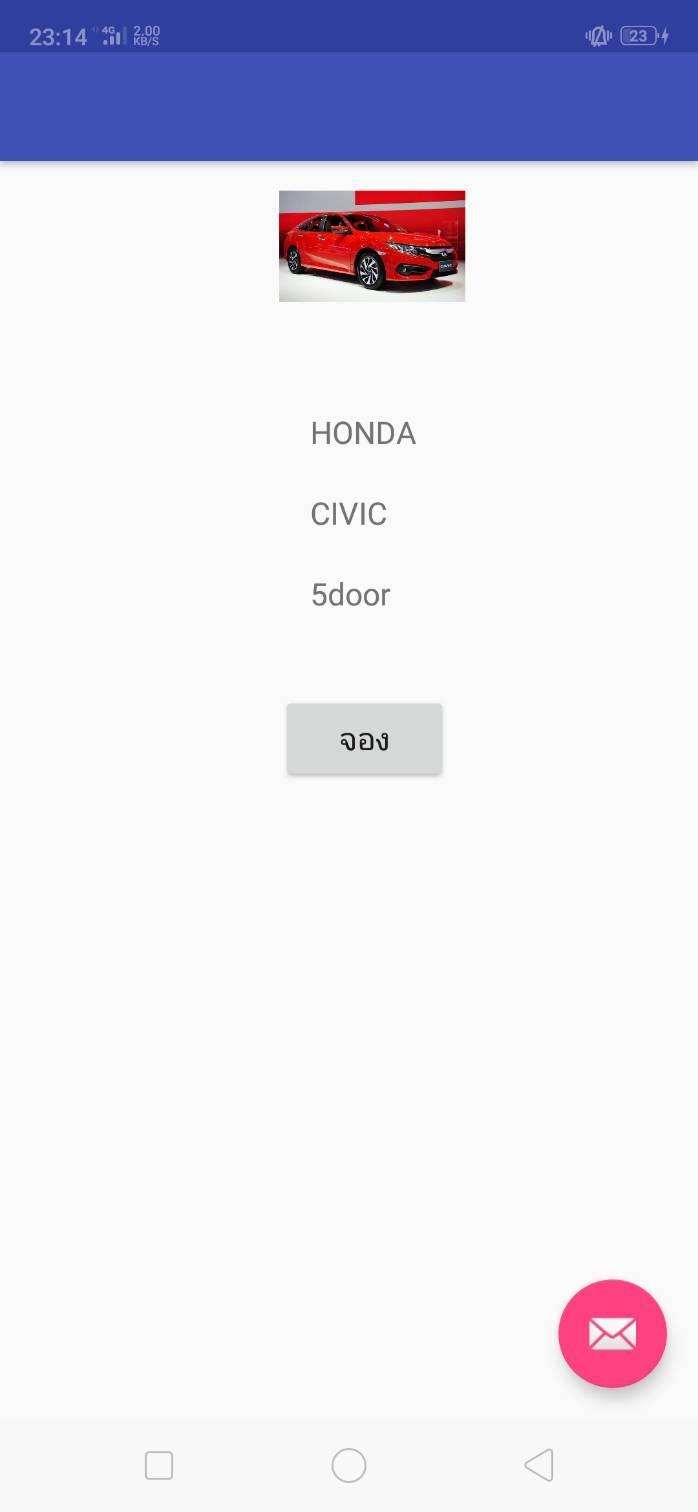
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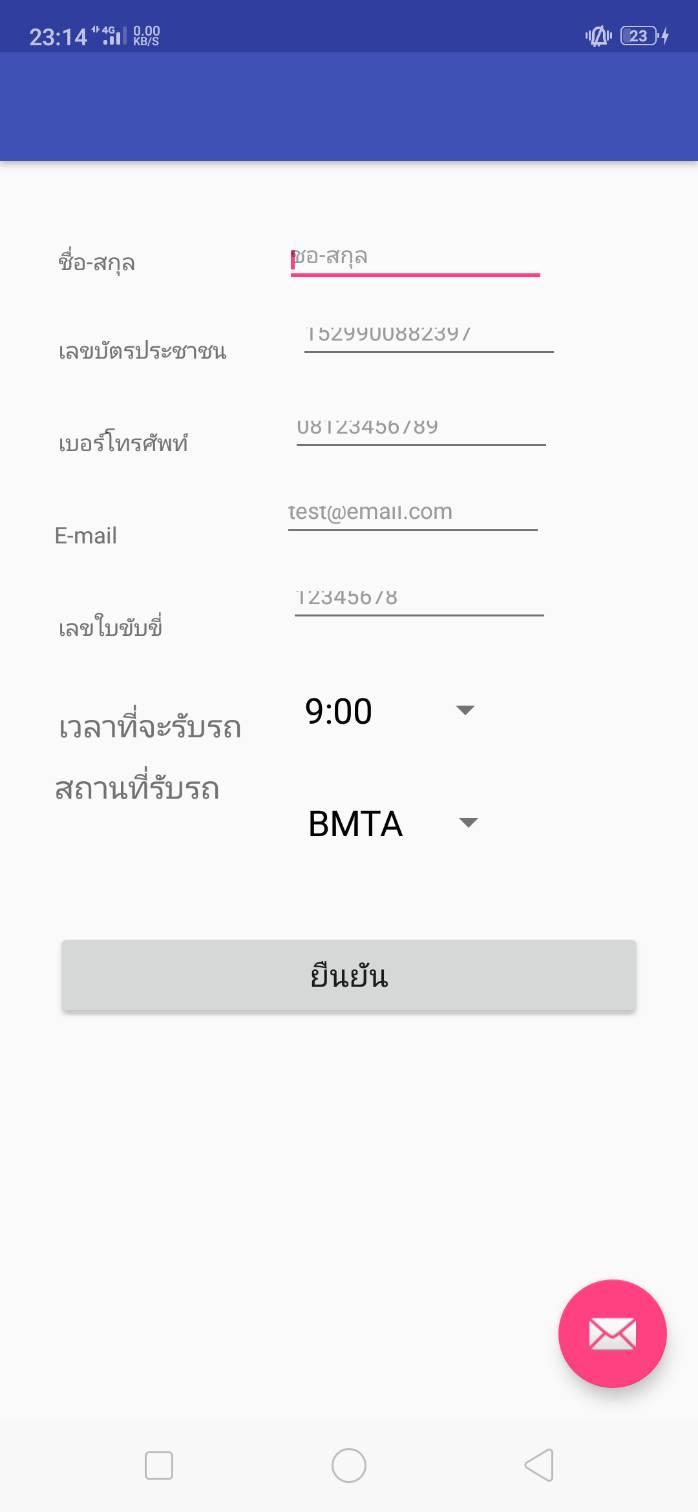
**UI**

**Customer**

****

****

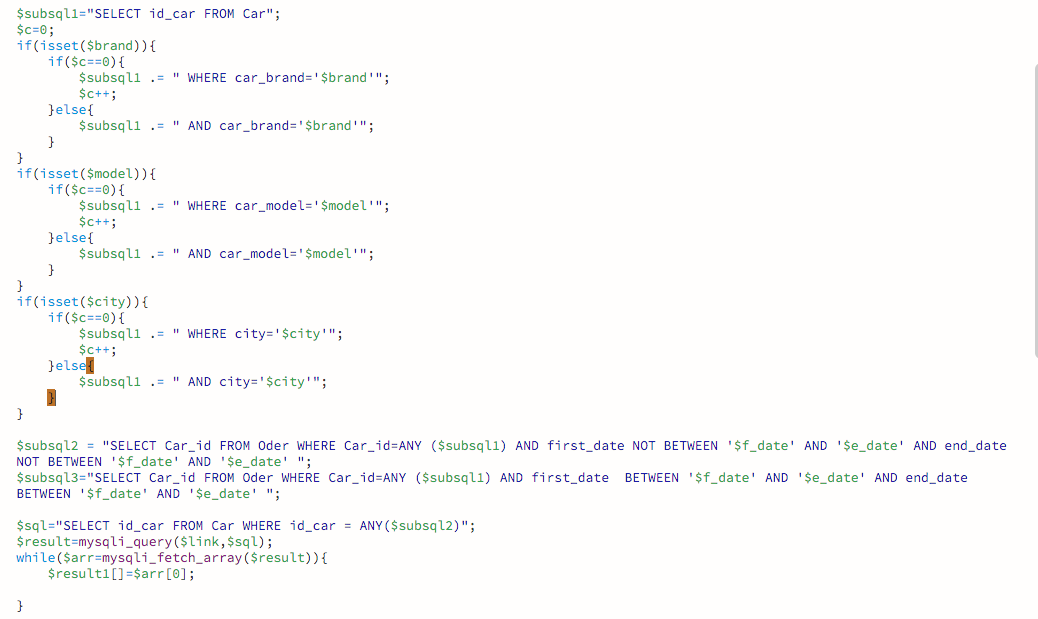
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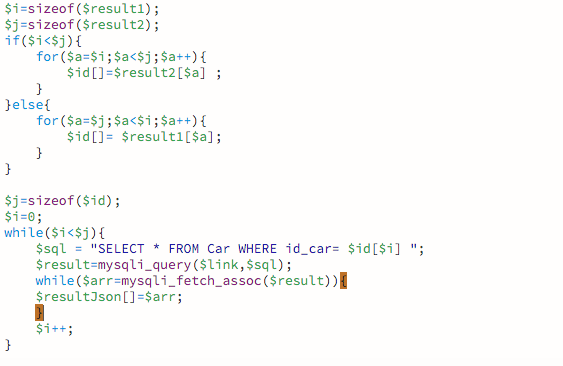
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**Code PHP SELECT data from DB and return json array**

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**Data to response form PHP**

[{"id\_car":"3","image":"2131427329","car\_brand":"TOYOTA","car\_model":"CAMRY","car\_detail":"w","city":"\u0e25\u0e33\u0e1b\u0e32\u0e07"},{"id\_car":"2","image":"2131427328","car\_brand":"HONDA","car\_model":"CIVIC","car\_detail":"w","city":"\u0e08\u0e31\u0e19\u0e17\u0e1a\u0e38\u0e23\u0e35"},{"id\_car":"1","image":"2131427328","car\_brand":"HONDA","car\_model":"CIVIC","car\_detail":"5door","city":"\u0e25\u0e33\u0e1b\u0e32\u0e07"}]

Validate Json From JSONLint

[{

"id\_car": "3",

"image": "2131427329",

"car\_brand": "TOYOTA",

"car\_model": "CAMRY",

"car\_detail": "w",

"city": "\u0e25\u0e33\u0e1b\u0e32\u0e07"

}, {

"id\_car": "2",

"image": "2131427328",

"car\_brand": "HONDA",

"car\_model": "CIVIC",

"car\_detail": "w",

"city": "\u0e08\u0e31\u0e19\u0e17\u0e1a\u0e38\u0e23\u0e35"

}, {

"id\_car": "1",

"image": "2131427328",

"car\_brand": "HONDA",

"car\_model": "CIVIC",

"car\_detail": "5door",

"city": "\u0e25\u0e33\u0e1b\u0e32\u0e07"

}]

**Code PHP Insert Order from DB and return id order**

**Code JsonArrayRequest**

****

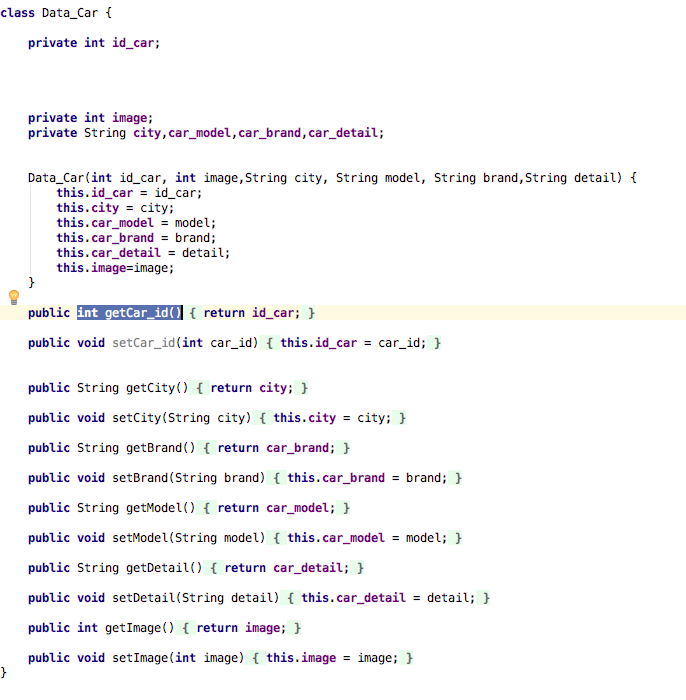
**Code String Request**

****

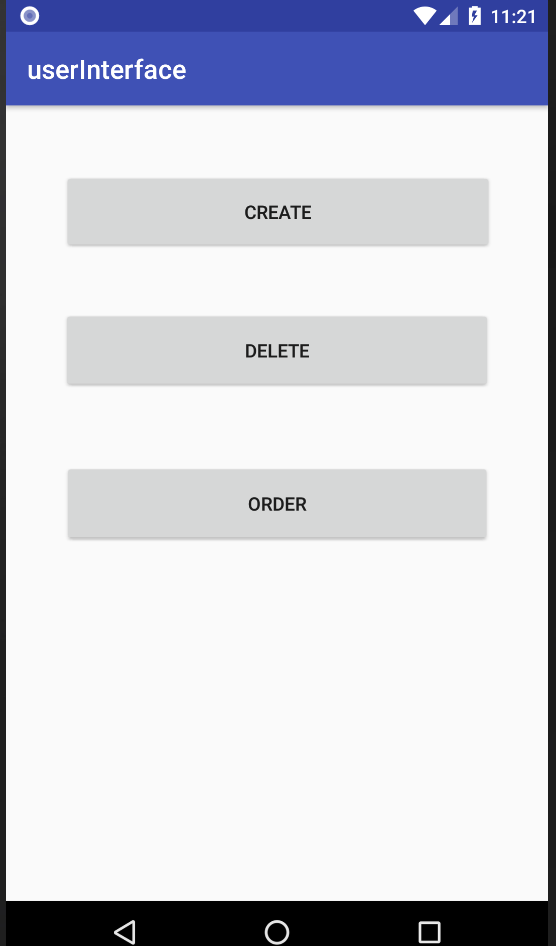
**POJO**

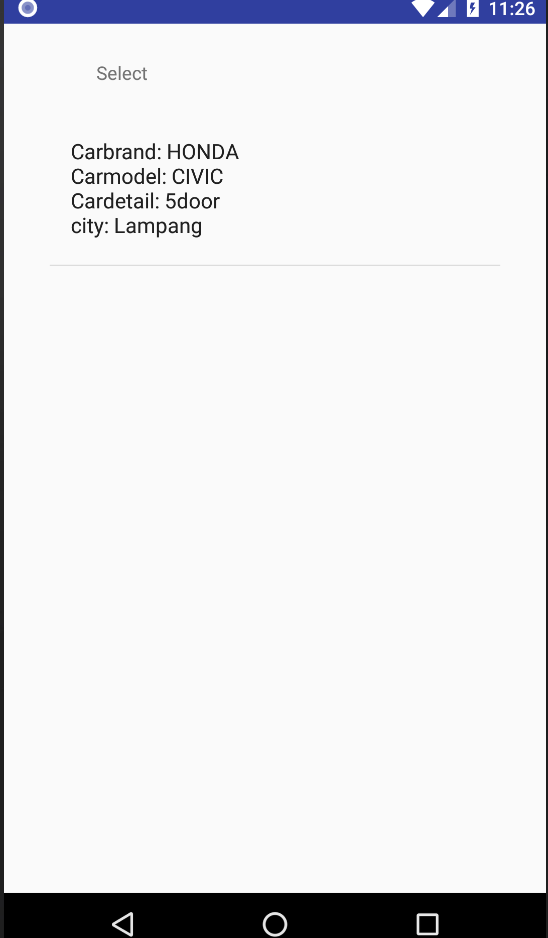
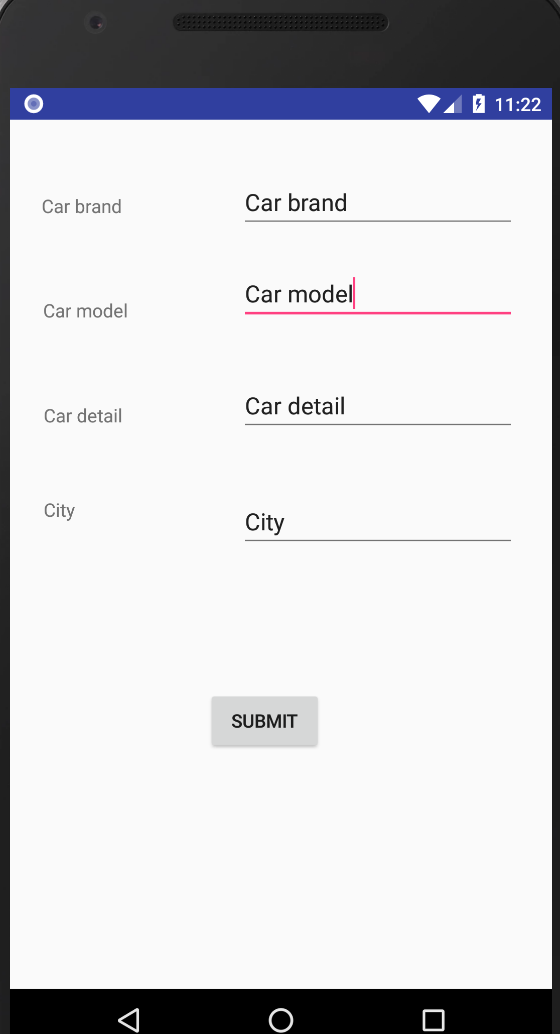
|  |
| --- |
| **Data\_Car** |
| * **Int id\_car,image** * **String city** * **String car\_model** * **String car\_brand** * **String car\_detail** |
| **+ int getcar\_id()**  **+ int getimage()**  **+ string getcar\_model()**  **+ String getcar\_brand()**  **+ String getcar\_detail()**  **+ String getcity()**  **+ void setcar\_id(int id\_car)**  **+ void setimage(int image)**  **+ void setcar\_model(String car\_model)**  **+ void setcar\_brand(String car\_brand)**  **+ void setcar\_detail(String car\_detail)**  **+ void setcity(String city)** |

**Code POJO**

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**Owner**

****

****

**Code on android app**

**-code insert car to DB**

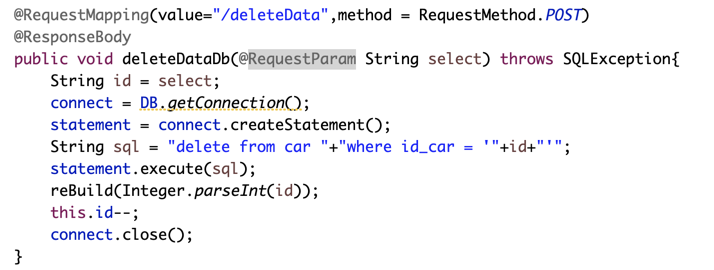
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**-code delete car from DB**

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**Code on servlet(server side)**

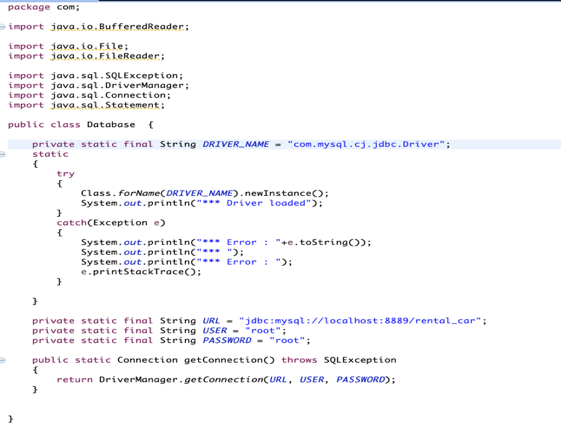
**-code delete when receive request**

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**-code show data when receive request and return value**

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**-code of jdbc (Java Database Connectivity)**

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**Data from server side when send back to android application**

**[1\_Carbrand: HONDA\_Carmodel: CIVIC\_Cardetail: 5door\_city: Lampang, 2\_Carbrand: HONDA\_Carmodel: CIVIC\_Cardetail: w\_city: Chanthaburi, 3\_Carbrand: TOYOTA\_Carmodel: CAMRY\_Cardetail: w\_city: Lampang, 4\_Carbrand: Car brand\_Carmodel: Car detail\_Cardetail: Car model\_city: City]**

**How to transfer this data**

**-from this code data’ll change to**

**String arr[] = response.split(",");**

**String temp[] = arr[0].split("\\[");**

**arr[0] = temp[temp.length-1];**

**temp = arr[arr.length-1].split("\\]");**

**arr[arr.length-1] = temp[0];**

**-From string value it ‘ll split it to store in array and one index per one table from DB**

**1\_Carbrand: HONDA\_Carmodel: CIVIC\_Cardetail: 5door\_city: Lampang, 2\_Carbrand: HONDA\_Carmodel: CIVIC\_Cardetail: w\_city: Chanthaburi, 3\_Carbrand: TOYOTA\_Carmodel: CAMRY\_Cardetail: w\_city: Lampang, 4\_Carbrand: Car brand\_Carmodel: Car detail\_Cardetail: Car model\_city: City**